

Street ■ Race ■ Offroad ■ Diesel

PAINLESS

PERFORMANCE PRODUCTS



2 0 0 8

Much More Than Circuits And Wires

Dear Painless Customer,

Thank you for your interest in Painless Performance Products. It is our goal to ensure your experience with our products is truly a painless one.

When we built our first wiring harness eighteen years ago, we could not have contemplated where we would be today. Not only is Painless by far the industry leader in automotive wiring harnesses but we continue to blaze new trails in engine management for both fuel-injected gasoline and turbo-diesel engines. Our PERFECT Engine Management System is the simple solution to installing a fuel injected engine into an older car or truck. Our new PERFECTION programming software now offers a painless solution to fine tuning these engines to accommodate modifications such as headers, valve train and cylinder heads. The new PowerCom EFI systems will do the same for LS1 and LS2 engine installations.

While we invest heavily in new products and new technologies, we continue to focus on enhancements to our core product line. The past several years have seen the introduction of more and more vehicle specific applications such as early Mustangs, Dodge muscle cars and Ford trucks. In 2008 we will introduce a much-needed new chassis harness for 1987-91 Jeep YJs and a redesigned and upgraded Bronco harness. See the index on the next page for all of our new products for 2008.

The development of the first Painless chassis harness eighteen years ago has spawned a whole multitude of imitators, none even approaching the level of quality and design integrity of a Painless harness. We are constantly refining and updating our products based on feedback from customers and technological developments. The competitor who copied the design of a Painless harness from 1997 without making the upgrades we have made over the years is now selling a vastly inferior product to the Painless harness of today. For example, we recently changed from a 50 amp to a 70 amp maxi-fuse in order to provide better circuit protection necessitated by the increased usage of higher amperage alternators. The knock-offs of our design from a decade ago are still using the inherently weaker fusible link.

So it's important to know what you're buying. As we're fond of saying, it's not just circuits and wire - it's experience and quality and integrity and innovation and the comfort of knowing you're using a wiring harness backed by a Lifetime Guarantee. Your electrical system is no place to take chances and cut corners.

Go with the quality and peace of mind of Painless.

Sincerely,

*Adrian J. Murray
President*

PAINLESS[®]
WIRING PRODUCTS

PERFECT[™]
ENGINE MANAGEMENT

PowerCom[™]
ENGINE MANAGEMENT

STRIKER[™]
DIESEL PERFORMANCE

POWERSTAR[™]
ELECTRICAL COMPONENTS

WHAT'S NEW FOR 2008

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Edited by:
 Jeff Abbott, Mike Abbott,
 Mike Armstrong, Mike Burke,
 Jack Brewer, Dennis Diehl,
 Jason Hamner, Adrian Murray,
 Dennis Overholser, Janice Peterson,
 and Gary Wright

Graphic design and Production:
 Middleton Performance Marketing



PERFORMANCE PRODUCTS®
 A DIVISION OF PERFECT PERFORMANCE PRODUCTS, LLC

PAINLESS[®]**IT'S A LOT MORE THAN CIRCUITS AND WIRE**

How often have you seen advertisements for wiring harnesses promising, "21-circuit kit for the low, low price of...?" What do you get for that low price? 21 circuits and yards of colored wire? Is that all you need, and exactly what makes up a proper wiring harness, anyhow?

Well, it's a lot more than just circuits and wire. A wiring harness is, first and foremost, engineering. At Painless, all of our harnesses are designed by real engineers using the latest in diagnostic equipment and AutoCAD to ensure consistency in manufacturing and an accurate and easy installation.

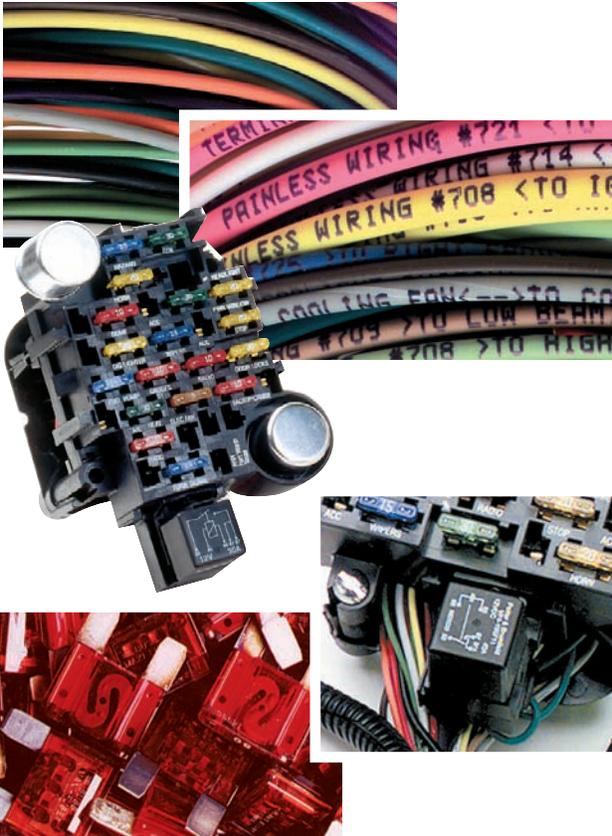
**PRE-TESTED FOR GUARANTEED PERFORMANCE**

Finally, and certainly not least, there's quality. You deserve the assurance that after installing a harness it's going to work: That when you turn on the headlights, they shine; That the blinkers blink and that the engine starts. At right you see a Painless fuel injection harness on our exclusive test boards. Every single fuel injection harness, before it goes in the box, is mounted first on one of our test boards like this. Each blue connector simulates a particular engine function. This test ensures that all connections are working properly, all pinouts are correct and there is continuity in all the wires. When you install a Painless harness, we GUARANTEE it is going to work.

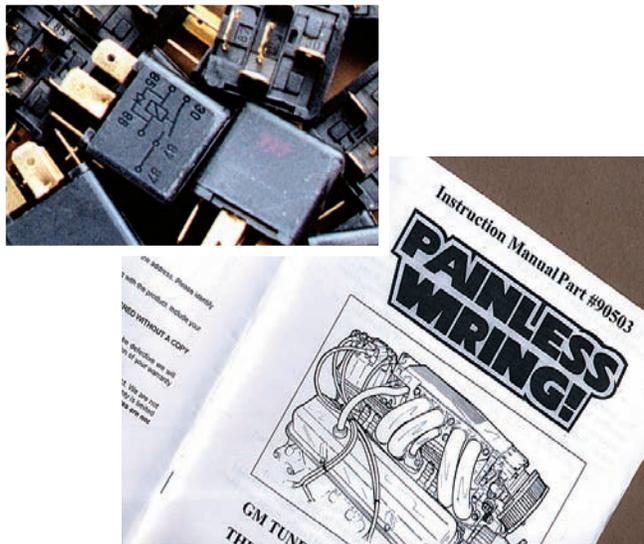
HALF THE WORK IS DONE FOR YOU

The next most important component in a wiring harness is skilled craftsmanship. No, you won't find that in the box along with the parts kit, but you'll recognize it as you install one of our harnesses. You'll appreciate how we take the time to properly group each wire in sections so that instead of routing eighty or a hundred individual wires you route entire sections of the vehicle at one time, drastically reducing the amount of time it takes to install a harness and virtually eliminating routing errors. That's why we say: With Painless, half the work is done for you.

**Tech Line 1.800.423.9696****www.painlessperformance.com**



***When You Know The Facts
There's Only One Sensible Choice***



THE HIGHEST QUALITY WIRE YOU CAN BUY

A wiring harness is only as good as its wire. That's why Painless harnesses use only the highest quality wire available: thermal cross-linked (TXL) polyethylene wire rated to 125°C (275F) degrees. TXL wire has twice the voltage rating of standard general purpose (GPT) wire. It delivers performance on demand in high performance applications. Plus, it will not kink and is abrasion resistant, making it much easier to route.

COLOR-CODED, PREPRINTED WIRE

Wiring a car can sometimes be an intimidating project, but not with a Painless chassis harness. Open the box and the wire is already bundled in sections: front, rear, engine, etc. Simply mount the fuse block, start with one section of the car and route the wire. Each wire is printed with the application so you know right where it goes. To further ensure a painless installation, each chassis harness is color-coded for easy trouble-shooting.

MODERN BLADE-TYPE OEM-STYLE FUSE BLOCKS

The nerve center of every Painless chassis harness is our fuse block. These fuse blocks feature easy-to-find, modern blade-type fuses, clearly labeled circuits, corrosion resistant construction and a compact design.

WIRING PRE-TERMINATED TO FUSE BLOCK

This is the most important feature of a Painless chassis harness. How well the wiring is connected to the fuse block, how secure and permanent the connection, determines how well the entire system will perform. Every Painless chassis harness comes out of the box with the wiring already terminated using state-of-the-art Packard presses and all harnesses are then carefully assembled by hand. This assures you of a trouble-free performance that screw connections cannot match. Plus, half the job is already done for you. Just mount the block and route the wires.

SUPERIOR CIRCUIT PROTECTION

Every Painless chassis harness is protected with a 70 amp Maxi-Fuse. Unlike a fusible link, which melts in the event of an electrical short, a Maxi-Fuse is a large bladed fuse designed for circuit protection in high amperage, high performance applications. It is easily installed and easily replaced.

EVERYTHING YOU NEED

You know you'll be completing your installation with quality components because the fuses, flashers, relay, wire ties and mounting brackets you need to do the job right are in the Painless chassis harness kit.

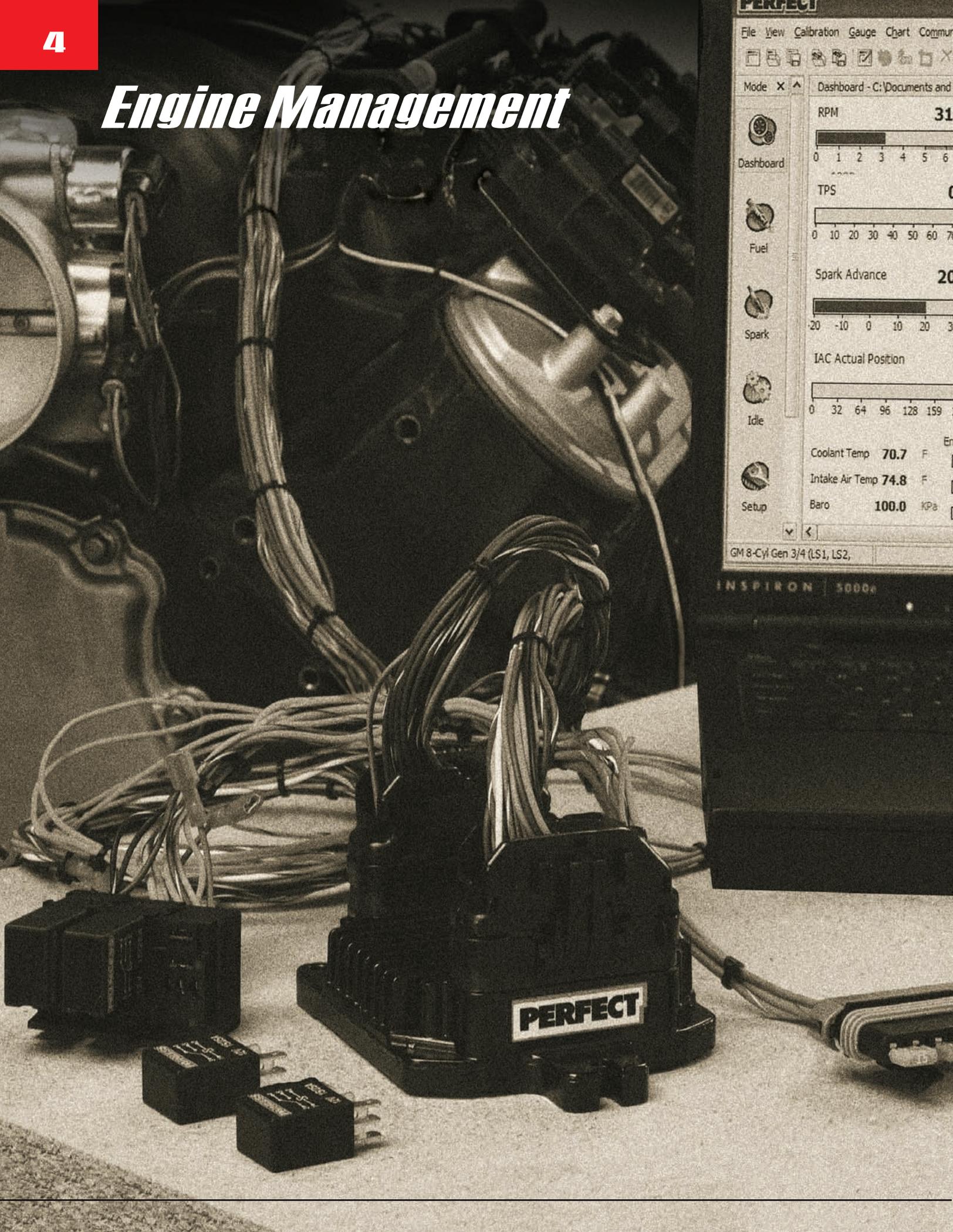
COMPREHENSIVE INSTRUCTIONS & TECH SUPPORT

Even seasoned wiring pros have a question now and then and, if the answer is not in the comprehensive, step-by-step instruction manual that comes in each kit, it's nice to know that you're just a toll free call away from the most professional technical assistance help line in the industry.

GUARANTEED FOR LIFE

Only Painless is confident enough in the quality of its harnesses to back them with a Lifetime Guarantee; a promise of quality unmatched anywhere. This is the culmination of seventeen years of market leadership, quality design and manufacturing innovations. It means you can share our confidence that when you install a Painless chassis or fuel injection harness, you're wiring your car with the very best there is... Guaranteed!

Engine Management



PERFECT

File View Calibration Gauge Chart Commu...

Mode X ^ Dashboard - C:\Documents and...

RPM 31

0 1 2 3 4 5 6

TPS 0

0 10 20 30 40 50 60 70

Spark Advance 20

-20 -10 0 10 20 30

IAC Actual Position

0 32 64 96 128 159

Coolant Temp **70.7** F

Intake Air Temp **74.8** F

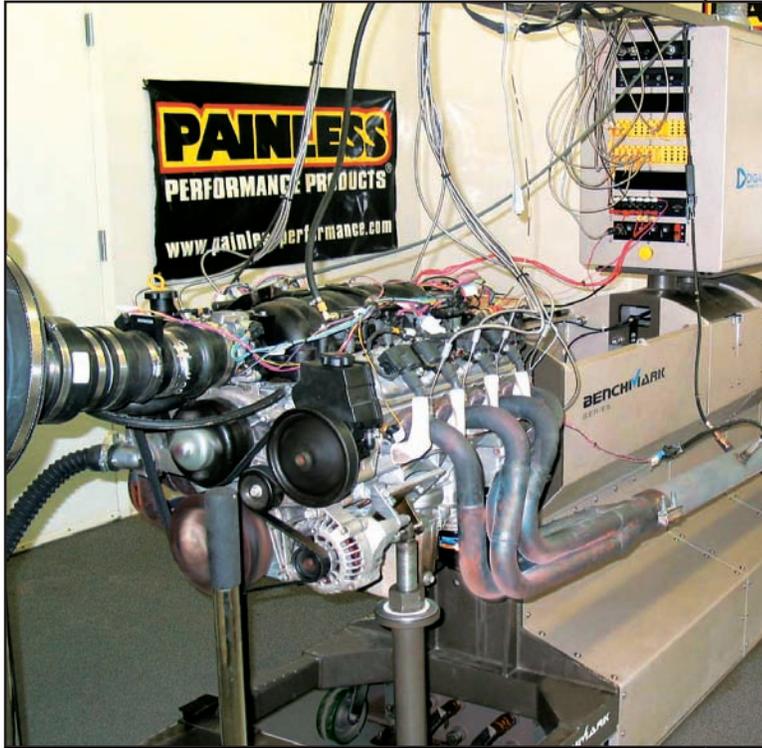
Baro **100.0** kPa

GM 8-Cyl Gen 3/4 (LS1, LS2)

INSPIRON 3000e

PERFECT

PERFECT[™]



THE PERFECT CHOICE

As engines become more and more sophisticated from Detroit and precisely balanced calibrations become more critical, the need for an equally sophisticated aftermarket engine controller becomes even greater. Because every situation is different, a cookie-cutter approach just won't do. An engine management system for a fuel-injected engine cannot be a one-size-fits-all solution.

In 2005 Painless introduced the hugely successful **PERFECT Engine Management System**. By finely calibrating the air/fuel ratio, spark advance and injector pulse width every 50 RPM from off-idle to WOT we are able to optimize the performance and power available in each engine. Not a single horsepower is left on the table and the drivability of a **PERFECT** powered engine has to be felt to be believed.

2006 saw the introduction of our first **PERFECT HI-RPM System**, which includes a roller camshaft and a custom tuned ECM. For those looking for increased power from their engine, **PERFECT HI-RPM** offers guaranteed performance without the need for reprogramming the ECM. Our LS1 system delivers 409 HP and 407 lbs/ft of torque – a 38 hp increase over stock. The new LT1 system produced 370 HP and 387 lbs/ft of torque. That's a 45 HP gain over stock. No tinkering, no dialing, no calibrating. Just install the camshaft and plug the system in.

But what about modifying your engine's hardware? Some people want to do their own thing – play around with compression, headers, rocker ratio, spring tension – any number of things. If that's you, then a preprogrammed ECM won't fit the bill. You'll need an ECM with a whole range of programming possibilities. That's where our new **PERFECT Perfection Software** and the **PowerCom LS Engine Management Systems** come in.

PERFECT Perfection Software now allows you to custom tailor the **PERFECT** ECM to take maximum benefit from such engine hardware upgrades as a bigger cam, larger displacement injectors, larger throttle body or custom cylinder heads, right from your own laptop.

Designed initially for LS1 and LS2 engines, **PowerCom LS Engine Management Systems** are completely user programmable from a laptop using our sophisticated **PowerCom Cal-Tool** software, allowing for extensive engine modifications. **PowerCom** will also operate an electronic transmission so if you're mating your LS1 up to a 4L60E trans, you're good to go. And electronic throttle (or throttle by wire)? No sweat. **PowerCom** is ready to handle both mechanical and electronic throttle.

The following pages show you all the features and benefits of these systems. Whatever your needs are and whichever you select, when it comes to fuel injection engine management, Painless is your perfect choice.



PERFECT[™]
Perfection
PowerCom[™]

PERFECT™

Engine Management System



THE SIMPLEST WAY TO GET THE POWER AND RELIABILITY OF ELECTRONIC FUEL INJECTION

The Painless PERFECT Engine Management System has proven to be the ideal ECM / Harness package for the simple installation of a complete stock fuel injected crate or donor engine into a classic or specialized vehicle. All the engineering has been done to provide a straightforward installation - just mount and plumb the engine into your vehicle then plug the PERFECT System's harness into the F.I. connectors and fire it up.

THE FIRST ECM PACKAGE TO OPTIMIZE STOCK FUEL INJECTION ENGINES

Each PERFECT System kit is designed for a specific engine application. Plus we have dyno tested each application and pre-programmed the ECM to gain every ounce of power the stock engine package is capable of. You don't need to spend hours tuning or re-flashing the original computer.

THE PERFECT LINE-UP

PERFECT Engine Management Systems are available for:

Make	Year	Donor Vehicle	Engine	Engine RPO	Perfect System Part Number
GM	85-92	Camaro/Firebird	5.0L	LB9	65104
GM	85-92	Camaro/Firebird Corvette	5.7L	L98	
GM	92-95	Camaro/Firebird Corvette Roadmaster Impala Caprice	5.7L	LT 1	65105
GM	96-97	Camaro/Firebird Corvette Roadmaster Impala Caprice	5.7L	LT1	65105 ¹
GM	97-04	Camaro/Firebird Corvette	5.7L	LS1	65106 ²
Ford	85-93	5.0L Car & Truck	5.0L	N/A	65120
Ford	94-95	5.0L Car & Truck	5.0L	N/A	65121
Jeep	91-98	All	4.0L	N/A	65140
Mopar	98-Up	Dodge Trucks & Jeeps	5.9L	N/A	65131

NEW!

NEW!

Check Out The Power Gains On These Stock Engines!



All PERFECT Fuel Injection Systems are batch fire, speed density (MAP).

Electronically controlled transmissions are not supported by PERFECT Fuel Injection Systems.

- NOTES:**
1. Must use PERFECT Coil Kit #60126 when running a '96-'97 LT1.
 2. Must convert engine to mechanical throttle. Throttle by wire not supported.



NEW!

Works with any PERFECT System application!

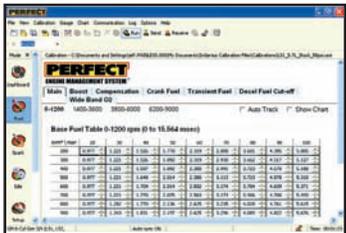
Typical PERFECTION CalTool display screens:



DASHBOARD

Displays real-time engine data

RPM, throttle position, engine temp, boost, air/fuel ratio

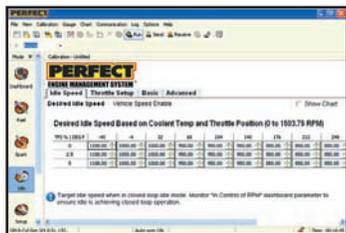


FUEL SCREEN

Develop base fuel tables

Fine tune all fuel levels: Transient fuel, Crank fuel, Base fuel

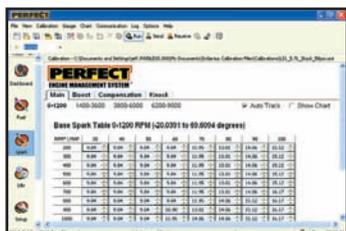
Permits precise air/fuel mix throughout the RPM range



IDLE SCREEN

Allows for precise idle speed adjustments

Dial in ideal cold start air/fuel ratio



SPARK SCREEN

Allows for precision timing

Compensate for engine temp and load

PERFECT™ Perfection



WHEN STOCK IS JUST NOT ENOUGH PERFECT PERFECTION IS THE SOLUTION

You're ready for a bigger cam, adjustable rockers or custom heads? Even adding a big throttle body and high pressure injectors requires some tuning on the ECM mapping. Now each of our PERFECT System applications can be custom programmed to optimize those types of hardware changes.

TOTAL TUNING CONTROL

The PERFECTION CalTool™ software installed in your PC will allow infinite adjustments to spark curves and fuel management in 100 rpm increments of incredibly precise mapping. Easy to navigate screen charts put the power in your hands to squeeze every bit of muscle out of your modified engine - no rocket science needed!

NEW!

PERFECT Perfection Software CD #65245

PERFECT Systems with PERFECTION Software kit for:

- 1985 - 92 General Motors T.P.I. 5.0L and 5.7L #65246
- 1992 - 95 General Motors LT1 #65247
- 1996 - 97 General Motors LT1 (requires coil kit 60126) #65247
- 1997 - 04 General Motors 5.7L LS1 #65248
- 1985 - 93 Ford 5.0L #65250
- 1994 - 95 Ford 5.0L #65251
- 1991 - 98 Jeep 4.0L #65252
- 1998 - Up Mopar Trucks and Jeep 5.9L #65253

PERFECT™

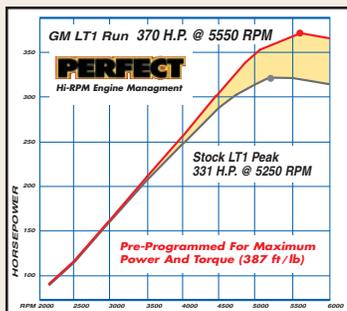
HI-RPM ENGINE MANAGEMENT

THE PERFECT HI-RPM ENGINE MANAGEMENT SYSTEM

Looking for more performance out of that fuel injected engine but still don't want to hassle with programming and guesswork? Simply install one of our proven PERFECT HI-RPM Engine Management Systems.

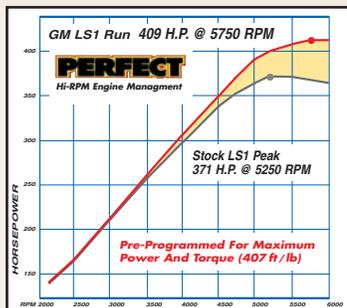
The camshaft is the heart of any engine. But in a speed density fuel injected engine, the role of the cam is even more critical. Change the cam without reprogramming the computer and the engine is guaranteed not to run correctly.

PERFECT HI-RPM Systems are the engineered solution. These kits include a wiring harness, a roller camshaft and a custom tuned PERFECT ECM for dramatic increases in horsepower and torque. We worked with our friends at Competition Cams to select the optimum cam profiles and we've done hours of dyno testing to come up with the ideal fuel and spark curves to squeeze every last horsepower and every foot pound of torque out of the engine. No user programming is needed.



Results Of Our LT1 Dyno Run

LT1 Baseline 331 H.P.
LT1 PERFECT 370 H.P.



Results Of Our LS1 Dyno Run

LS1 Baseline 371 H.P.
LS1 PERFECT 409 H.P.

DYNO TESTED POWER GAIN

Our new PERFECT HI-RPM LS1 System delivered 409 horsepower and 407 lbs/ft of torque in our 1998 LS1 test engine and 370 horsepower in the LT1. That's about a 40 HP increase over the same engines with a stock ECM and cam.

PAINLESS®



Each contain a custom ECM and a high performance hydraulic roller cam.

THE PERFECT HI-RPM LINE-UP

HI-RPM Engine Management Systems are available for:

Make	Year	Donor Vehicle	Engine Size	Engine RPO	Perfect HI-RPM Part Number
GM	85-92	Camaro/Firebird	5.0L	LB9	N/A
GM	85-92	Camaro/Firebird Corvette	5.7L	L98	
GM	92-95	Camaro/Firebird Corvette Roadmaster Impala Caprice	5.7L	LT 1	65205
GM	96-97	Camaro/Firebird Corvette Roadmaster Impala Caprice	5.7L	LT1	65205 ¹
GM	97-04	Camaro/Firebird Corvette	5.7L	LS1	65206 ^{2, 3}
Ford	85-93	5.0L Car & Truck	5.0L	N/A	Coming Soon
Ford	94-95	5.0L Car & Truck	5.0L	N/A	Coming Soon
Jeep	91-98	All	4.0L	N/A	65141 Hi-Torque

NEW!

All PERFECT Fuel Injection Systems are batch fire, speed density (MAP).

Electronically controlled transmissions are not supported by PERFECT Fuel Injection Systems.

NOTES:

1. Must use PERFECT Coil Kit #60126 when running a '96-'97 LT1.
2. Must convert engine to mechanical throttle. Throttle by wire not supported.
3. Valve springs change required.

Tech Line 1.800.423.9696

www.painlessperformance.com



- ✓ **Compact, heat resistant, weatherproof ECU**
- ✓ **Fully programmed and base-lined for stock engine set-up with superior performance over factory ECU settings**
- ✓ **Advanced, user-friendly software available for precise tuning for engine modifications**
- ✓ **On-board diagnostics for easy troubleshooting**
- ✓ **Superior quality Painless wiring harness included for easy plug and play installation**
- ✓ **Systems available for both electronic transmission and electronic throttle**



PowerCom™ ENGINE MANAGEMENT SYSTEM

The PERFECT Management System For GM Electronic Transmission & Engine Drivetrain Packages

The PERFECT PowerCom Engine Management System represents the state-of-the-art in fuel injection engine management technology. This second generation PERFECT system comes fully programmed to maximize power and efficiency in an unmodified stock engine or can be easily reprogrammed using simple Windows-based software available from Painless.

The PERFECT PowerCom is the perfect solution for anyone transplanting a late-model fuel injected engine into an older car or truck. Why take chances with a suspect used wiring harness and ECU? The factory harness will need to be heavily modified anyway to be adapted to a street rod or muscle car environment and there can be very expensive programming in store to make that factory ECU work correctly in something other than the donor vehicle. Plus, any future modifications will require more expensive and not always accurate reprogramming.

Each PERFECT PowerCom is painstakingly programmed by Painless Performance on our AVL/Digalog dyno. Precise fuel and spark calculations are made every 50 rpm so you are ensured of maximum power and engine efficiency right out of the box. Just plug the harness in and mount the PowerCom ECU. If you're making modifications to the engine you can retune the ECU with the user-friendly PowerCom software.

2008 plans call for releasing PERFECT PowerCom systems for the following engines throughout the year: General Motors LS1, LS2, Gen-III and Gen-IV

POWERCOM GIVES YOU ROOM TO GROW

When you're ready to add high flow heads, an even bigger cam, or a supercharger, PowerCom is ready. Using our CalTool software will allow you to program in the performance parameters to optimize your new combination. See page 11 for details and typical CalTool screen shots.

PowerCom™

ENGINE MANAGEMENT SYSTEM

POWERCOM SYSTEM I

Controls electronic throttle or mechanical throttle. This system utilizes narrow band O2 and is ideal for those running the following engines with electronic throttle control (throttle by wire) on vehicles **without** electronic transmissions.

USE WITH NON-ELECTRONIC TRANSMISSIONS

- # 66103 PERFECT PowerCom System I - LS1 w/mechanical throttle
- # 66104 PERFECT PowerCom System I - LS1 w/electronic throttle
- # 66105 PERFECT PowerCom System I - LS2

POWERCOM SYSTEM II

Controls electronic throttle or mechanical throttle, electronic transmission and utilizes narrow band O2 control. There are two control units in these kits – one for engine management and one for transmission. The transmission control unit operates either 4L60E or 4L80E.

USE WITH ELECTRONIC TRANSMISSIONS

- # 66203 PERFECT PowerCom System II - LS1 w/mechanical throttle
- # 66204 PERFECT PowerCom System II - LS1 w/electronic throttle
- # 66205 PERFECT PowerCom System II - LS2

POWERCOM ETC

The transmission control unit from the System II which is available as a separate item to provide electronic transmission controls only. Now you can economically operate a 4L60E or 4L80E with a carbureted engine.

- # 66501 PERFECT PowerCom 4L60E Transmission Controller
- # 66502 PERFECT PowerCom 4L80E Transmission Controller

PAINLESS®





PowerCom™ ENGINE MANAGEMENT SYSTEM

POWERCOM CALTOOL SOFTWARE CD

Our CD based software package allows for simple, basic tuning with a laptop computer. The user can recalibrate the ECU to compensate for engine modifications using such parameters as fuel, timing, fan control, idle control, rev limits, and more. On board diagnostics provide for instant troubleshooting.

66601 PERFECT PowerCom CalTool Software
(Includes software CD, cable and dongle key)

PowerCom™ ENGINE MANAGEMENT SYSTEM

The PowerCom™ software's dashboard screen gives you real-time data on such engine functions as RPM, coolant temperature, MAP, spark advance and more.

Navigating the spark and fuel tables is easy and allows for precise calibrating of timing and fuel curves throughout the RPM range. The PowerCom CalTool permits precise tuning at transient levels, cold start, idle, crank and warm up for maximum power and engine efficiency.



PowerCom Dashboard Screen



PowerCom Fuel Data Screen



PowerCom Spark Data Screen

MEET THE NEW BOSS!

TOTAL CONTROL FOR OPTIMUM DIESEL PERFORMANCE



- Up to 10 power levels
- 100-plus HP gain*
- Adjustable on the fly
- Fuel economy mode
- Push button interface
- LED power level display
- Displays fuel pressure, oil pressure and boost
- Built-in anti-theft mode
- Simple installation



- Five power levels
- Up to 65 HP gain*
- Adjustable on the fly
- Fuel economy mode
- LED power display
- Compact design
- Push button interface
- Simple installation

Year	Make / Model	Striker I	Striker II
1999-2003	Ford 7.3L Powerstroke	#64065	#64165
2003.5 - early 2007	Ford 6.0L Powerstroke	#64066	#64166
2003-2004	Dodge 5.9L 555 Cummins	#64070	#64170
2004.5 - early 2007	Dodge 5.9L 600/610 Cummins	#64071	#64171
2001-2004.5	GMC/Chevy Duramax 6.6L LB7	#64060	#64160
2005-2006	Jeep Liberty 2.8L CRD	#64075	#64175

* Except Jeep Liberty

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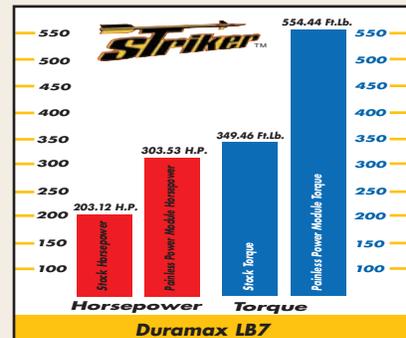
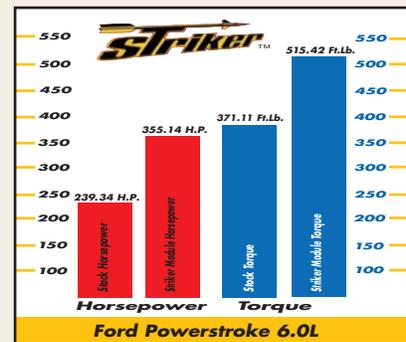
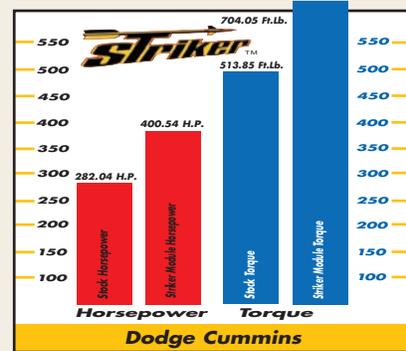


STRIKER I DIESEL POWER MODULE

Finally, serious engine controllers that don't look like a twenty year old cell phone. These proven Striker Power Modules are the most compact diesel performance modules on the market. Striker is not a downloader – Striker leaves no trace on your vehicle's ECU. Now you can get all the power and control you want using these easy to install, palm-sized full-feature diesel control modules.

STRIKER II DIESEL POWER MODULE

We took the most asked for features of the Striker module and put them into this low cost, compact unit. Striker II can provide up to 65 HP improvement with adjust-on-fly capability, plus fuel economy mode.



Check Out These Power Gains From The Striker Control Modules

Tech Line 1.800.423.9696



SINGLE FUNCTION MINI CONTROL MODULES

Harness the maximum performance potential and gain total control of your diesel rig with one or a combination of these easy to install function-specific control modules.

STRIKER FE - Fuel Economy Module

This easy to install economy module delivers a 2-3 mpg improvement with the simple push of a button. Built in LEDs display mode and built in integral diagnostics

#64265 Ford 7.3L - 1999-2003

#64266 Ford 6.0L - 2003.5-early 2007

#64270 Dodge 555 - 2003-2004

#64271 Dodge 600/610-2004.5-early 2007

#64260 GM LB7 - 2001-2004.5

#64275 Jeep Liberty 2.8L CRD -2005-2006

STRIKER TT - Turbo Timer

Keeps engine running up to five minutes to allow turbo to properly cool and drain. Extends turbo life. Timer automatically triggered by ignition key setting, no need to rearm each time. Extended run feature allows for up to fifty minutes running time with key removed and brake kill feature for anti-theft security. For all late-model GM, Ford, Dodge, Jeep and VW turbo diesel vehicles.

#64320 Fits All Model Turbo Diesels 1994-07

STRIKER TC - Trans Controller

Allows for user programming of the third to fourth gear transmission shift points (Dodge only) and torque converter lockup points. Uses factory cruise control switchgear to control transmission parameters on the fly. Results in increased acceleration and brake life, plus reduced 1/4 mile times, and significantly reduced transmission temperatures.

#64340 Ford 340D/4R100 - 1995-2003

STRIKER EBC - Exhaust Brake Controller

An economical and simple alternative to a weld-in exhaust brake flapper. The Striker Exhaust Brake Controller uses the 7.3L exhaust back pressure valve to add back pressure to the engine when decelerating.

#64360 Ford 7.3L - 1999-2003

PAINLESS[®]

Striker Controllers Leave No
Trace On Your Vehicle's ECM



Striker Controllers Leave No Trace On Your Vehicle's ECM



SINGLE FUNCTION MINI CONTROL MODULES

STRIKER EBTC - Exhaust Brake Trans

The same exhaust brake control features of the Striker EBC but with the added benefit of torque converter control for added braking power as well as improved acceleration and drivability.

#64380 Ford 7.3L - 1999-2003

STRIKER WG - Waste Gate Controller

This waste gate controller fine tunes boost for added power, improved fuel mileage and increased drive train efficiency. Users will see improved acceleration and towing ability while reducing exhaust gas temperatures.

#64407 Dodge Cummins 600/610 - 2004.5 - early 2007

STRIKER BSE - Backpressure Sensor Eliminator

Over time, the factory exhaust backpressure sensor corrodes, shorts out or fails. The lack of signal to the ECM causes the engine to defuel. The Striker BSE provides a constant backpressure signal to ensure proper engine fueling.

#64440 Ford 7.3L - 1994-2003

STRIKER OBE - Overboost Eliminator

The factory ECMs in Ford and Dodge diesels limit the amount of boost that can be added, resulting in starvation of fuel, particularly in modified vehicles. The Striker overboost code eliminator prevents the ECM from reading a high boost value and keeps fuel flowing for maximum top end performance.

#64460 Ford 7.3L - 1999-2003

#64461 Dodge Cummins - 2003-07



COLDSHOT WATER / METHANOL INJECTION SYSTEM

The highest quality, most complete water/methanol injection system on the market. The on-board control monitor features an LED gauge displaying boost pressure from 0 to 100 psi and a 60 LED gauge showing the preset injection curve. The controller features an adjustable injection curve display, a water level warning indicator and a dimming function for night and day brightness.

HOW THE COLD SHOT WORKS

Lowers intake, combustion and exhaust temperatures by injecting water/methanol with the Striker ColdShot. After injection, evaporation of the water and methanol absorbs energy in the form of heat from the post intercooler intake air. Cooling of the intake air temperature produces an air charge more dense with oxygen. Evaporated methanol enters the combustion chamber and increases the octane of the combustion fuel. Residual water/meth droplets also enter the combustion chamber. These droplets absorb heat from cylinder walls, pistons and heads. At ignition, evaporation/burn if the water/methanol mixture completes. More heat is absorbed resulting in lower combustion and exhaust temperatures, significantly extending the life of the turbocharger.

Works great with stacked power modules, allowing for maximum potential of power add-ons.

#65000 Striker ColdShot

Water/Methanol Injection System for Gasoline

#65001 Striker ColdShot

Water/Methanol Injection System for Diesel

LIFETIME WARRANTY!

WMD Water /Methanol Distillate

We found the WMD! The new Striker WMD is the perfect blend of water and methanol for maximum performance with the new Striker ColdShot water/meth injection systems for either gasoline or diesel engines. Available in U.N. approved one gallon or 5 gallon containers.

#65030 WMD Five Gallon Container

**#65031 WMD Case of 4
One Gallon Containers**

PAINLESS



Low Water Warning Light

System Includes Everything You Need For Installation:

- Industrial quality 12 volt water solenoid
- Industrial quality nickel-plated brass push-to-connect fittings
- 2 quart reservoir with low water level sensor and fittings
- 25 feet of 1/4" Nylon 11 high pressure/ high temp tubing included
- 150 PSI high pressure, high volume, Shurflo water/methanol pump
- Custom Painless wiring harness with all connectors
- Very Fine Mist (VFM) industrial grade nozzles for superior atomization
- Custom designed nozzle bushings for easy swapping/cleaning



Water Methanol Distillate Mixture For Cold Shot Injection Kits



**Choose 5 Gallon or
4 - One Gallon Case**

Tech Line 1.800.423.9696

www.painlessperformance.com



COMPLETE COLDSHOT KIT

No fabrication or guess work. The ColdShot System comes with all the components, wiring and mounting hardware you'll need for a professional quality installation. Just follow the simple instructions and you're ready to make more power and torque in just a few hours.

Custom made preterminated wiring harness

All mounting hardware, connectors and terminals

All required pipe fittings are industrial quality nickel plated brass

Very Fine Mist (VFM) custom made industrial grade nozzles for superior atomization

25 feet of nylon 11 high pressure fluid tubing

High pressure 150 psi pump

Industrial quality 12 volt solenoid offers dramatically improved spray control over standard check valve.

2 quart tank with level sensor



Don't Settle For Incomplete Kits With Cheap Components!



Optional #65010 Window Mount



INDUSTRIAL QUALITY

Upgrade Kits

#65020 Water / Methanol Nozzle Upgrade Kit
Includes 3 nozzles, 1/4" tubing and a nozzle holder.

#65021 7- Gallon Tank Upgrade Kit
Includes mounting brackets, hardware, 20 feet of 1/4" tubing, fittings and suction tube with strainer.

Control Module Mounts

#65010 ColdShot Universal Window Mount Kit
Includes suction cup arm and adjustable holder

#65012 ColdShot Universal Cup Holder Mount
Includes mount and adjustable holder

#65014 ColdShot Universal A/C Vent Mount
Includes mount and adjustable holder
See our website for application list

#65016 ColdShot Universal Dash Multi-Mount 35
See our website for application list

#65018 ColdShot Universal Dash Multi-Mount 45
See our website for application list

STriker DIESEL MD

Introducing The Fully Programmable Striker Diesel MD Engine Management System

The all new Striker Diesel MD is your prescription for maximum diesel performance. Diesel MD is the only module on the market that allows you to fine tune the power curves beyond the factory settings. Now you can dial fuel and boost pressures in an infinite number of combinations for the most precise tuning possible. Here's how it works:

All bolt-on diesel power modules interrupt signals from the fuel and boost pressure sensors. Each sensor transmits a signal ranging from 0 Volts to 5 Volts. Our Diesel "Multiplier on Demand" tuning system captures these signals, applies a multiplier to them and then transmits to the ECM. Power gains are a result of applying these multipliers to boost pressure and fuel pressure signals. Until now you've never been able to decide your own multipliers. Until Diesel MD, that is.

Modification of the boost and fuel pressure multipliers is simple. Just select a preprogrammed profile to modify, press the menu key and the screen shown at right will open. Then, using the up and down keys, you can add or subtract from each multiplier by hundredths. Discover hidden fuel economy or give a familiar payload its own tune. The Diesel MD allows you to create a custom profile for your own personal needs. You can tweak it any time as conditions change.

Striker Diesel MD comes with ten pre-calibrated power levels. You can use these preset levels or modify them at your choosing. Later, if you decide to make other performance modifications like exhaust, turbo, fuel pumps, intake, etc., you can easily fine tune the Diesel MD to accommodate the changes.

No Other Diesel Power Module On The Market Offers You The Freedom Of Striker MD

#63000	2001-04 Chevy LB7
#63001	2006-07 Chevy LBZ
#63010	1999-03 Ford 7.3L
#63011	2003-07 Ford 6.0L
#63020	2003-04.5 Cummins 5.9L
#63021	2004.5- 07 Cummins 5.9L

PAINLESS

Your Truck's Prescription For Maximum Performance!

- Large LCD display
- Dim feature for night driving capability
- Green, yellow, and red color EGT warning LEDs let you know when things are cool, warming up or a hot potato.
- Thermocouple stackable, no need to add a second thermocouple in order to read EGTs
- On-the-fly switching between power levels
- Ten pre-calibrated power levels
- Unlimited re-calibration capability
- Includes custom Painless Performance wire harness
- Watch real time data graphs showing history of boost, fuel pressure and EGTs over a specified period of time - valuable for even more precise tuning.

NEW!

Menu Screen

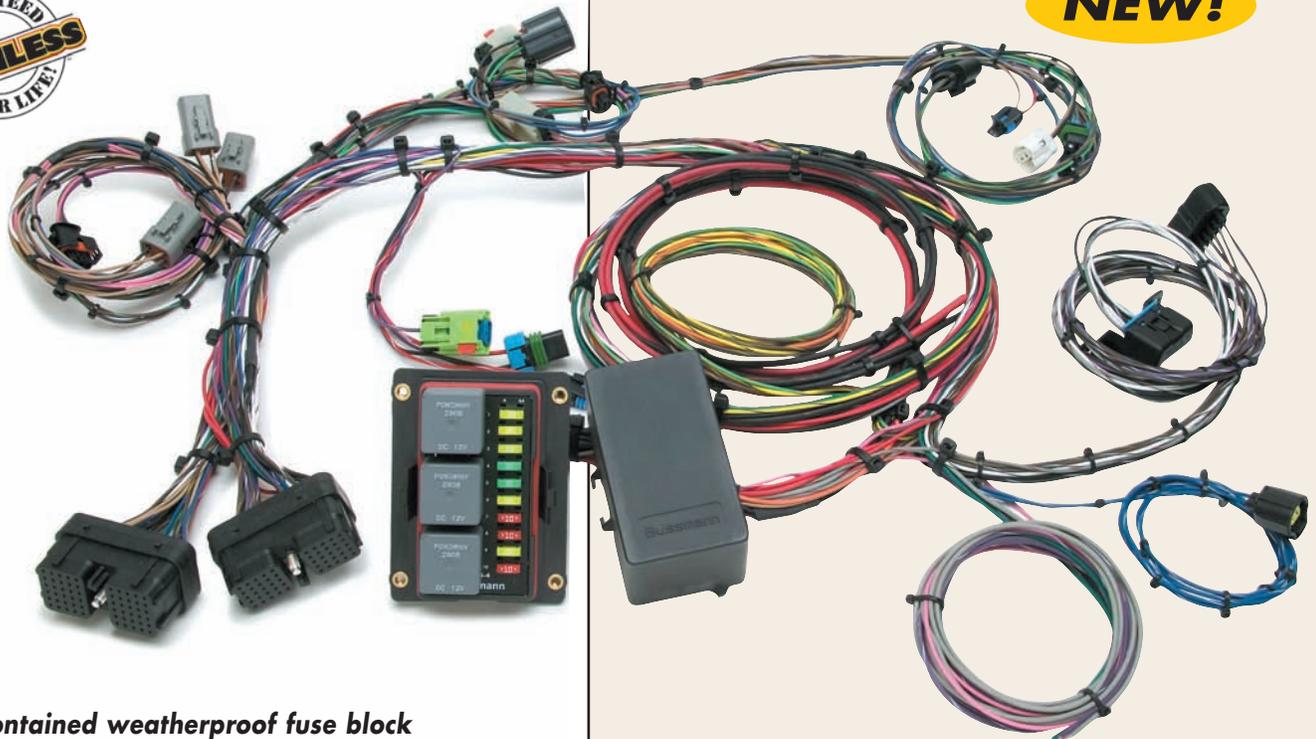
Profile Screen

Calibration Screen

EGT Screen

The Painless Cummins Diesel Harness includes:

- All needed factory connectors including: ECM, Injectors, Oil Pressure Switch, Alternator, Fuel Heater, Battery Temp Sensor, Waste gate, Pre-turbo IAT/Pressure, Fuel Control Actuator, Crank Position Sensor, Radiator Fan Drive, Accelerator Pedal Position Sensor, MAP/IAT sensor, Water In Fuel Sensor, Cam Position Sensor, Coolant Temperature Sensor, Fuel Pressure Sensor, Diagnostic Link Connector (OBD2)
- Like all Painless wiring harnesses, this kit features only the top quality TXL high temp wire stock and premium weatherproof connectors.



NEW!

- Self contained weatherproof fuse block
- Completely weatherproof harness (all connectors and heat shrink)
- Harness and fuse block were designed to mount in the engine compartment
- 10 circuit fuse block also includes fuel pump relay, fuel heater relay, ignition relay
- Harness color coded exactly to the factory specs
- Harness includes driver wires for the Intake Air Heater relays (you must purchase these relays separately from Chrysler or salvage yard)
- Harness supports both entake mounted and accelerator pedal mounted throttle position sensors.
- Fully illustrated instruction manual

#60250 For 2003-07 Cummins 5.9L Standard Trans Applications

Note: 2006-2007 Cummins motors will need an injector pigtail #60255 (sold separately).



#10101



12 Circuit Harnesses Include: Air Conditioning, Heat, Brake Lights, Ignition, Horn, Electric Fan, Emergency Flashers, Dash Instruments, Headlights, Radio (constant and ignition hot), Turn Signals, Wipers, Dome Light, Tail Lights, Backup Lights, Third Brake Light, Charging, Electric Choke and Starting.

#10201



18 Circuit Harness Adds Circuits For These Accessories: Power Door Locks, Power Windows, Accessory Plug, Electric Fuel Pump, Backup Lights/Cruise Control, and Power Antenna.

POWERBRAID

See Page 62 for our high tech flexible braided wiring cover.

How To Choose The Right Harness For Your Vehicle

If your car is not among the specific vehicle applications mentioned in this catalog one of our proven universal kits is your best choice. These kits are designed to be used on a wide range of vehicle types. All of our kits come ready to install. We've thought out the problems for you and designed these kits to be truly Painless. The 12 circuit kits will cover the most basic chassis wiring needs.

If your car or truck will have additional electrical accessories such as power windows, door locks or other creature comforts, you will want our 18 circuit harness. Remember that you may want to install these items some time in the future, so now is the time to provide wiring by installing our 18 circuit harness or by using a Painless Cirket Boss™ harness. There is one other consideration that is important: Is your ignition switch on the steering column or in the dash? Use the designated "for GM steering column" for early style "keyed" steering columns from GM. All kits come with more than enough wire and terminals, etc. to do the job. You route and cut to suit your vehicle's needs.

12-CIRCUIT UNIVERSAL GM KEYED STEERING COLUMN

#10101 - Our 12 Circuit kits can be used in just about any vehicle where basic wiring is needed. This kit includes GM (column mounted) ignition switch plugs and a GM (column mounted) turn signal switch plug pre-terminated and ready to install. Also included are pre-wired plugs for headlights and the dimmer switch.

12-CIRCUIT UNIVERSAL

#10102 - This kit does not include the GM column mounted ignition switch plugs but includes the GM column mounted turn signal switch plugs and terminals.

18-CIRCUIT UNIVERSAL GM KEYED STEERING COLUMN

#10201 - The 18-Circuit kit allows you to add accessories to the basic wiring such as power windows, door locks, etc. This kit includes GM (column mounted) ignition switch plugs and a GM (column mounted) turn signal switch plug pre-terminated and ready to install. Also included are pre-wired plugs for headlights and the dimmer switch.

18-CIRCUIT UNIVERSAL

#10202 - This kit does not include the GM column mounted ignition switch plugs but includes the GM column mounted turn signal switch plugs and terminal.

14-CIRCUIT REMOTE MOUNT MICRO FUSE HARNESS

#10130 - This Micro Fuse Harness solves a dilemma faced by many custom car builders: where to mount the fuse block. With engine compartments becoming more crowded and underdash space at a premium, there often is not room for a standard size fuse block. The Micro Fuse Harness is the answer.

The key element is the fuse block itself: it measures just 3" x 3 1/2" x 2" yet holds 12 fuses and 2 relays. You can easily tuck it up under the seat or, because of the unique design of this harness, mount it in the trunk. The fuse block is covered to keep it free from dirt and contaminants.

This complete automobile wiring system has been designed with three major groups incorporated into it:

Engine/Headlight Group Includes: high beam, low beam, park, right turn, left turn, electric fan, horn, starter solenoid, battery feed, alternator (output/exciter wire), coil, water temperature, oil pressure and air conditioning compressor.

Dash Group Includes: wires to connect gauges, indicator lights, switches, a/c, heat and radio to their proper sources.

Rear Light Group Includes: taillights, dome light, left and right turn signals, brake lights and fuel sender.

The kit includes an accessory relay and a 10 gauge alternator wire for use with high amperage (over 65 amps) alternators. All wires are color-coded and printed along their entire length for ease of installation. A comprehensive installation manual with charts and diagrams is included.

TRUNK MOUNT CHASSIS HARNESS

#10120 - In many street rods and custom cars there is little or no room to mount the fuse block under the dash, forcing modifications to either the car or the harness.

Our 12-circuit trunk mount wiring harness provides additional wire from the fuse block to the dash and front end, allowing the remote installation of the fuse block in the trunk or behind the rear seat. Like all Painless kits, these fuseblocks come completely pre-wired and terminated for a simple, painless installation. Includes GM column mounted ignition and turn signal plugs.

For 18-circuit applications use #10220 (shown)

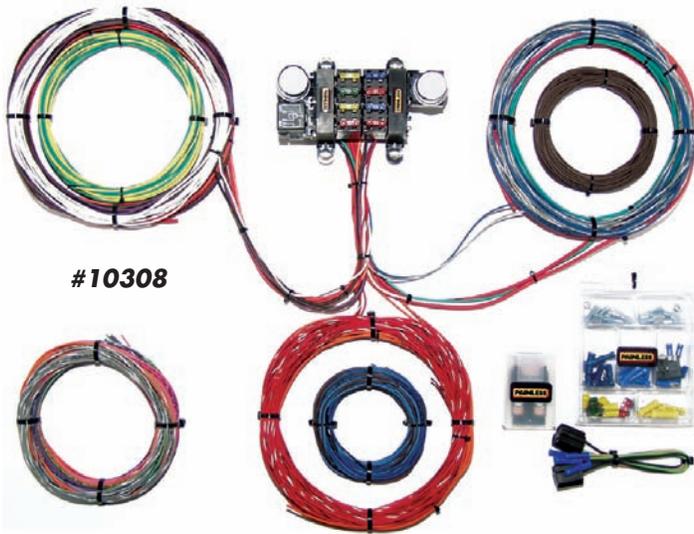
NEW - POWERBRAID

See Page 62 for our high tech flexible braided wiring cover.

PAINLESS[®]

If space is an issue or you're just looking to use the very best there is, the Micro Fuse Harness is the wiring harness for you.

#10120



#10308



#30020



8-CIRCUIT MODULAR T-BUCKET HARNESSSES

#10308 - We started with our proven Modular Chassis Harness and designed a harness specifically to address the basic hot rod owner's needs. This compact, streamlined, simple to install harness has all the basic circuitry needs: headlights, tail lights, brake lights, turn signals, hazards, horn, gauges, wipers, radio, electric fan, electric choke and one accessory circuit. Each wire is color-coded and printed the entire length for ease of installation.

As an added plus, the fuse block is modular so if you decide at some point to add additional accessories to your bucket, you can easily snap another four circuits into place.

#10307 - New Modular Harness includes longer 25 ft. rear circuit wiring and 16 ft. wiring from dash forward for longer wheel base cars.

12 Circuit Harnesses Include: Air Conditioning, Heat, Brake Lights, Ignition, Horn, Electric Fan, Emergency Flashers, Dash Instruments, Headlights, Radio (constant and ignition hot), Turn Signals, Wipers, Dome Light, Tail Lights, Backup Lights, Third Brake Light, Charging, Electric Choke and Starting.

18 Circuit Harness Adds Circuits For These Accessories: Power Door Locks, Power Windows, Accessory Plug, Electric Fuel Pump, Backup Lights/Cruise Control, and Power Antenna.

WIRE-ONLY UNIVERSAL HARNESS KITS

These new kits contain all of the pre-printed, pre-cut wire necessary for any universal-type 12 or 18 circuit installation (think of a 10101 or a 10201 without the fuse block). Wires are all terminated and spliced where necessary. The power wires which go to a fuse block each are complete with fork terminals. Wire-Only kits are ideal for installers who:

1. Wish to use a terminal strip-style fuse block.
2. Wish to use a Painless 30001 or 30003 fuse block
3. Prefer to install by attaching to the accessory first, then routing to the fuse block, one wire at a time.

It's simply a matter of personal preference. Space limitations may prevent you from using the fuse block that comes in a standard Painless kit. You may already have a Painless 30001 or 30003 fuse block or something similar you wish to use. Whatever the reason, Painless is pleased to make these often-requested wire-only kits available.

Two different kits are available:

#30020 - The 12-circuit kit includes individual rolls of wire for air conditioning, heat, brake lights, ignition, horn electric fan, radio, flashers, gauges, headlights, turn signals, wipers, dome light, taillights, third brake light, charging, choke and starting.

#30021 - The 18-circuit kit has additional wire for power windows, door locks, fuel pump, backup lights, cruise control, power antenna and one accessory circuit.

These kits have also been designed for use with Painless stand-alone fuse blocks 30001 and 30003. See page 33.

UNIVERSAL MUSCLE CAR HARNESSES

#20103 - Can your electrical system handle all of the power demands of today's aftermarket add-ons? It can if it's Painless. These harnesses use the highest quality thermal-crosslink (TXL) polyethylene wire rated to 125°C (275F) degrees - twice the voltage load of standard GPT wire. That's power on demand. This 12-circuit harness is for most 1960s and 70s Chrysler, Ford and GM cars where a bulkhead connector is required. May require minor bulkhead modifications.

For 18 circuit applications use 20104

GM MUSCLE CARS

#20101 - Fits: 1967- 68 Camaro and Firebird
(1967 RS headlight harness #30818)

#20102 - Fits: 1969 -74 Camaro/Firebird, Nova, El Camino, Monte Carlo, Apollo, Chevelle, Cutlass, Skylark, Tempest and GTO.

Our universal 18-Circuit kit is modified to include custom features to make it easier to wire GM muscle cars. A pre-wired factory style bulkhead connector plugs into the fuse block through the firewall in the stock location. Easy-to-install, factory original, quick connect terminals are included for the in-dash printed circuit board. Pre-terminated plugs for the ignition and turn signal switches are included.

12 Circuit Harnesses Include: Air Conditioning, Heat, Brake Lights, Ignition, Horn, Electric Fan, Emergency Flashers, Dash Instruments, Headlights, Radio (constant and ignition hot), Turn Signals, Wipers, Dome Light, Tail Lights, Backup Lights, Third Brake Light, Charging, Electric Choke and Starting.

18 Circuit Harness Adds Circuits For These Accessories: Power Door Locks, Power Windows, Accessory Plug, Electric Fuel Pump, Backup Lights/Cruise Control, and Power Antenna.

REPLACEMENT ENGINE COMPARTMENT HARNESSES

#21000 - Replacement harness for the underhood section of Painless GM chassis harness #20101.

#21001 - Replacement harness for the underhood section of Painless GM chassis harness #20102.

1966-67 CHEVY II HARNESS

#20110 - This vehicle specific 12-circuit harness makes easy work of rewiring your Chevy II. Kit includes three harnesses: Main (dash forward) harness, Tail harness, Dome harness.

The following connectors are already installed on the harness: Headlight switch, Headlight connectors, Fuel gauge connector, Dimmer switch, Brake switch, Heater switch, Blower resistor, Wiper switch, Backup switch, Horn, Dash light sockets, Warning light sockets.

Also includes: Alternator pigtail with connector installed, Harness for factory air, Two door jamb switches, Highoutput alternator kit, 70 amp Maxi Fuse.



#20103



#20101



#21000

#21001



(NOT for use with factory harnesses)



#20110



#20106

1955-57 CHEVY CHASSIS HARNESSSES

#20106 - 18 Circuit Harness Kit

#20107 - 12 Circuit Harness Kit

An adaptation of our universal 12 and 18-Circuit harness designed to custom fit your "Shoebbox Chevy" with a factory location mounting plate for the fuse block, special dash and turn signal connectors. This harness features color coded wires fully labeled with each circuit the entire length of each wire.

#10127



12 Circuit Harnesses Include: Air Conditioning, Heat, Brake Lights, Ignition, Horn, Electric Fan, Emergency Flashers, Dash Instruments, Headlights, Radio (constant and ignition hot), Turn Signals, Wipers, Dome Light, Tail Lights, Backup Lights, Third Brake Light, Charging, Electric Choke and Starting.

18 Circuit Harness Adds Circuits For These Accessories: Power Door Locks, Power Windows, Accessory Plug, Electric Fuel Pump, Backup Lights/Cruise Control, and Power Antenna.

#10123



MOPAR MUSCLE CAR CHASSIS HARNESS

#10127 - Designed for 1966-76 Chrysler muscle cars, this 12 circuit harness features Mopar OEM color coded wires, fully labeled with each circuit the entire length of each wire. This harness also features our unique covered mini micro-fuse block pre-terminated for easy installation.

FORD UNIVERSAL MUSCLE CAR HARNESS

#10123 - Now you don't have to struggle with using GM color codes while wiring your Ford muscle car. This harness features all Ford color coded wires fully labeled with each circuit the entire length of each wire. Designed as a wiring upgrade for any 1966-76 Ford muscle car such as Galaxie, Fairlane, Torino, Montego, etc.

Will not work on Thunderbird.



CLASSIC MUSTANG HARNESSES

Give your 1965 through 1970 Mustang the Painless treatment with a new chassis wiring harness designed specifically for your 'Stang. Eliminate all of those wiring gremlins by tearing out that frayed and worn factory harness and starting fresh with a new, state-of-the-art harness from Painless. New for 2007 is our harness for 1969-70 Mustangs.

Each harness features a modern, preterminated 14-circuit covered fuse block complete with 12 blade-type micro fuses and 2 relays. All wires follow original Ford color codes and labeled throughout for simple installation.

1965-66 MUSTANG CHASSIS HARNESS

#20120 - A factory upgrade harness for 1965 to 1966 Ford Mustangs. The harness is divided into three sections to include main section, forward section and engine section.

1967-68 MUSTANG CHASSIS HARNESS

#20121 - A factory upgrade for 1967 to 1968 Ford Mustangs. The harness is divided into five sections to include under dash, instrument panel, engine and tail sections, and additional circuits such as radio, courtesy lights and tach signal. Includes a preterminated a/c harness for '67-'68 Mustangs with factory air and an accessory relay for use with fog lights or fuel pump.

1969-70 MUSTANG CHASSIS HARNESS

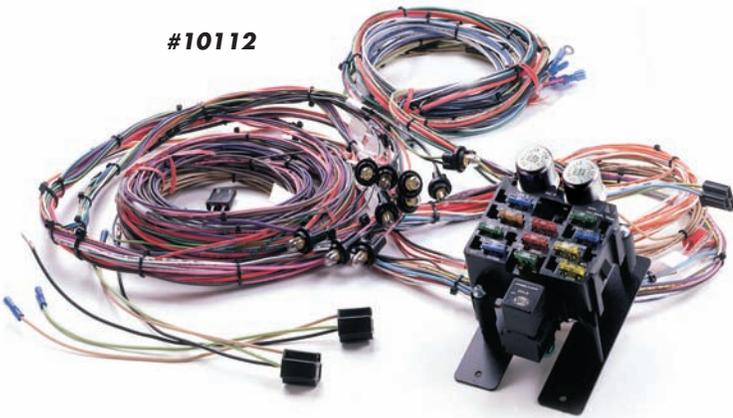
#20122 - A factory upgrade for 1969 to 1970 Ford Mustangs. The harness is divided into five sections to include under dash, instrument panel, engine and tail sections, and additional circuits such as radio, courtesy lights and tach signal.

**DURASPARK II**

See Page 59 for our harness to upgrade from your old points type distributor to a Duraspark II electronic distributor.



#10112



#10206



#10103



12-CIRCUIT GMC/CHEVY TRUCK HARNESS

#10112 - Designed for use on 1963-66 GM/Chevy pickups. This 12-circuit kit includes the following connectors pre-terminated to the harness: Wiper motor, dimmer switch, brake switch, wiper switch, headlight switch, horn, dash light sockets and warning light sockets. Kit also includes alternator pigtail with connector installed. Will work with single or dual dash turn signal indicator.

18-CIRCUIT GMC/CHEVY TRUCK HARNESS

#10206 - 1967-72 Chevy/GMC Trucks, Blazers and Suburbans
#10205 - 1973-87 Chevy/GMC Trucks, Blazers and Suburbans
By adding a factory-style bulkhead connector and additional GM connectors we made our universal harness a custom fit for these popular GM/Chevy trucks. Nothing could make re-wiring your truck any easier. For 2X4 & 4X4 trucks.

(For 1967-72 GM trucks with factory a/c requires use of #30901 a/c harness. For courtesy lights use kit #30708)

12 Circuit Harnesses Include: Air Conditioning, Heat, Brake Lights, Ignition, Horn, Electric Fan, Emergency Flashers, Dash Instruments, Headlights, Radio (constant and ignition hot), Turn Signals, Wipers, Dome Light, Tail Lights, Backup Lights, Third Brake Light, Charging, Electric Choke and Starting.

18 Circuit Harness Adds Circuits For These Accessories: Power Door Locks, Power Windows, Accessory Plug, Electric Fuel Pump, Backup Lights/Cruise Control, and Power Antenna.

GM KEYED STEERING COLUMN UNIVERSAL TRUCK HARNESSES

#10103 - 12-Circuit harness kit

#10203 - 18-Circuit harness kit

Use in just about any pickup where basic-or-more wiring is needed. Ample wire lengths make this kit especially suited for trucks with long beds and extended cabs. This kit includes GM (column mounted) ignition switch plug and the GM (column mounted) turn signal switch plug pre-terminated and ready to install.

UNIVERSAL TRUCK HARNESSES

#10104 - 12-Circuit harness kit

#10204 - 18-Circuit harness kit

Can be used in just about any pickup where basic-or-more wiring is needed. Ample wire lengths make this kit especially suited for everything including trucks with long beds and extended cabs.

1967-77 FORD TRUCK CHASSIS HARNESSES

Designed to be used on 1967- 77 Ford F-Series trucks, these new Painless harnesses are the most up-to-date and easiest to install wiring harnesses for these popular trucks.

These kits are a must for the serious restorer. Each 14-circuit kit contains detailed instruction for each year of vehicle covered and are designed using original Ford color codes. They include many preterminated wires for convenience and ease of install. Choose from either the 10118 which includes switches for headlights, ignition, dimmer, wiper and brakes or the 10117 which has no switches and is intended for more custom applications.

#10117 - 1967-77 Ford Truck
Harness without switches

#10118 - 1967- 77 Ford Truck
Harness with switches

Each harness has six major sections:

ENGINE SECTION

Water temperature, oil pressure, tach, coil, choke and a/c compressor clutch.

DRIVER'S SIDE SECTION

High beam, low beam, park lights, left turn signal, horn, wiper washer motor and brake proportioning valve.

PASSENGER SIDE SECTION

High beam, low beam, park lights, right turn signal, horn, voltage regulator, starter solenoid, battery feed and alternator.

GAUGE CLUSTER SECTION

1967-69 gauge cluster harness, 1970-74 gauge cluster pigtail adapter, 1975-77 gauge cluster pigtail adapter.

UNDER-DASH SECTION

Heater - a/c switch, headlight switch, turn signal switch, glove box hazard switch, radio, tach, ignition switch, cigar lighter, dimmer switch, brake switch, heater -a/c resistor, heater blower motor, wiper switch, wiper motor, cargo light switch, cargo light switch, door jam switches and courtesy lights.

TAIL SECTION

Includes taillights, stoplights, turn signals, backup lights, license plate light and fuel sending unit.

#10117**DURASPARK II**

See Page 59 for our harness to upgrade from your old points type distributor to a Duraspark II electronic distributor.



#10108



#10107



1966-77 BRONCO CHASSIS HARNESS

#10108 - The best custom wiring harness for Broncos just got even better! A complete reworking of our Bronco harness resulted in this all new 20-circuit, 12-fuse harness with Ford color coded wiring.

It begins with a state-of-the-art, compact covered weather-resistant fuse block that uses modern blade-type fuses. Headlight switch, wiper switch, ignition switch and dimmer switch are installed on harness. The straightforward design, printed wire and comprehensive instructions make installation a breeze.

Like all Painless harnesses, this comes with the highest quality TXL wire, factory machine crimps and all the terminals and connectors you'll need for a successful installation.

The harness lays out in four sections:
(Items in blue are pre-terminated)

UNDER DASH SECTION

Wiper switch, Ignition switch, Headlight switch, Dimmer switch, Instrument panel, Hazard switch, Turn/brake switch. Instrument panel light, Wiper motor/washer, Dome light, Heater/AC, 4X4 light, Tach signal, Radio constant/Ignition hot, Electric fan switch, Brake warning power

ENGINE SECTION

Alternator/regulator and pigtail, Ignition, Starter solenoid, Sending Units

FRONT LIGHTS SECTION

Headlights, Turn signals, Side marker lights, Horn, Electric fan

TAIL SECTION

Tail lights, Side marker lights, Turn signal/brake lights. Backup switch, Fuel sender 1 & 2, License plate light

SCOUT & LAND CRUISER

#10107 - Why hassle with old patched up wiring? Our universal 12-circuit harness is adaptable to many of the original connector plugs and includes prewired plugs for headlights. Weatherproof harness listed on page 30.

NEW - POWERBRAID

See Page 62 for our high tech flexible braided wiring cover.

#10110



NOTE: Harness #10110 is **NOT** equipped for computer controls nor is it engine specific. Water temp sender, oil gauge sender, alternator, starter solenoid, tach lead, ignition and fuel tank sender are **NOT** pre-terminated.

#10110



Fully grounded for use with fiberglass Jeep bodies.

#10105



#10111



FACTORY STYLE CJ REPLACEMENT HARNESS

#10110 - For 1975-86 CJ Series Jeeps. Almost every circuit on this harness is pre-terminated at both ends on this three section harness. All wires are color coded and labeled and all wire leads are pre-cut to proper lengths. Our harness uses an OEM style bulkhead connector that attaches to the bulkhead without any special brackets or modifications. The blade-type fuse block wiring is factory terminated and machine crimped. The most Painless way to wire your 75-86 CJ Series Jeep.

ENGINE SECTION

Chassis ground, brake failure warning switch, horn, windshield washer, heater motor, park and signal lights, front marker light (w/bulb socket), headlights, sending units, starting, charging, ignition circuits, tachometer lead, ballast resistor, maxi fuse, terminal ends, wire ties and grommets.

This engine section harness is available as a stand-alone product #11002 - WILL NOT work with factory harness.

MAIN BODY SECTION

Heavy duty blade style ATO fuse block, heater switch, blower motor resistor, dimmer switch, ignition switch, turn signals, headlight switch, windshield wiper power, turn signal indicators (with bulb socket), high beam indicator (with bulb socket), dome lamp ground and power, neutral safety switch, stop light switch, dash indicator lamps, backup lamp switch, water temp gauge (with illumination sockets), oil pressure gauge (with illumination sockets), fuses, flashers, horn relay and emergency brake switch.

REAR SECTION

Main harness-to-rear harness, rear marker lights (with bulb sockets), 4 wire rear lamp ground and tail light housing.

12-CIRCUIT JEEP CJ HARNESSSES

#10105 - CJ-2/CJ-5 Thru 1974 where the wires run through a grommet in the bulkhead and the ignition switch is in the dash.

#10106 - CJ-6/CJ-7 1975 & On. Uses the factory-style bulkhead connector so no special brackets are required.

The engine section of this harness is available as a stand-alone product #11003 - WILL NOT work with factory harness.

These factory upgrades use the OEM style fuse block and TXL high temp wire for trouble free performance. Open ended wire leads allow for custom routing of wires. Both kits include standard 12-circuit features. #10106 includes additional GM pre-wired plugs for ignition switch, dimmer switch and turn signals.

WEATHERPROOF JEEP CJ HARNESS

#10142 - See page 30, left, for more details

JEEP YJ HARNESS

NEW!

#10111 - YJ Models 1987-91 This popular Jeep series finally gets the Painless treatment with this all new chassis harness kit. Features a factory style bulkhead connector and ATO type fuse block. All wires are color coded and labeled high temp TXL stock and all wire leads are labeled for easy routing. Kit contains all the connectors, fuses, flashers and relays you'll need for a pro quality job.

WIRING HARNESSES FOR THE WINNING RACER

Why wire from scratch when you can use a complete harness from Painless? Save time to work on other parts of your race car. The last thing you need to worry about at a race is a wiring problem. Make sure it's done right with a Painless Wiring harness.

DRAG RACE WIRING HARNESS/PANEL KIT

#50003 - Complete 12-Circuit Drag Race Wiring Kit. This kit contains everything you need to wire a race car in one box. The 8-rocker switch control center plugs directly into the 12-circuit Pro Street harness making this the easiest and most complete way to wire a race car. Harness circuits include electric water pump, radio, electric fan, fuel pump, brake lights, headlights, taillights, wipers, turn signals, flashers, horn and ignition. The switch panel features heavy duty rocker switches to control start, ignition, fan, fuel pump one, fuel pump two, water pump, lights and one accessory.

12-CIRCUIT PRO STREET HARNESS KIT

#50002 - Looking to operate your circuits through the factory switches and not a switch panel? This Pro-Street harness is for you. Contains all the features of the 12-circuit harness in the Drag Race Wiring Kit but with necessary pigtails to direct wire the start, ignition, fan, fuel pump, water pump and lighting circuits.

NEW!**8-CIRCUIT RACE WIRING HARNESS/PANEL KIT**

#50005 - The Painless answer to all of your race car wiring needs. This includes an 8 circuit relay harness and a 6 switch contour rocker switch panel. The harness provides fused relay power for all your race car needs. Get away from mounting individual relays all over your vehicle and make your electrical system more reliable. Circuits covered by this system include: Start, ignition, fuel pump, water pump, electric fan, headlights and tail lights, and two accessory relays, along with a fused constant accessory power.

8-CIRCUIT EXTREME CONDITION HARNESS KIT

#50001 - Machine pre-terminated fuse block and relays. Every circuit is protected with a fuse AND a 30-amp relay for maximum reliability. Oversized, TXL, color coded, high temp wire is used throughout. You can't make it any tougher or any more reliable!

Kit Includes: Start, ignition, electric water pump, electric fan, electric fuel pump #1, electric fuel pump #2, lights, & accessories. Comes with 18 feet of wire per circuit, terminals, wire ties, fusible link, rubber grommet, and easy to follow instructions.

RACE HARNESS SWITCH PANELS

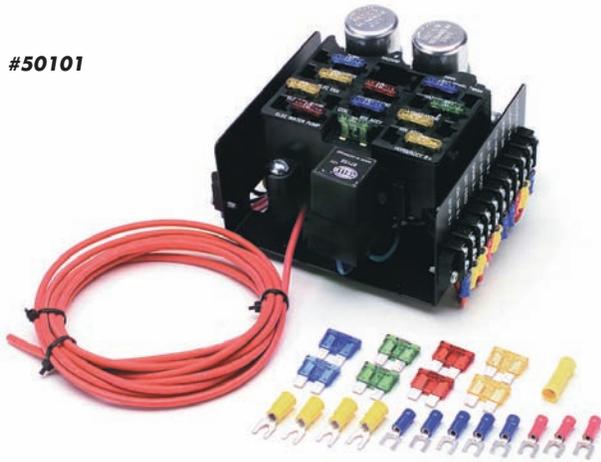
(For use with our 50001 race harness)

#50201 - 8-Switch flat plate style for in-dash mounting.

#50202 - 8-Switch self contained style for in-dash mounting.

**#50003****#50002****#50005****#50001****#50201****#50202**

#50101



12-CIRCUIT COMPACT UNIVERSAL RACE/PRO STREET FUSE BLOCK

#50101 - A racing version of our #30001 fuse block designed with all the circuits to make your race car street legal. Just terminate your wiring and attach it to the fuse block. Pre-wired and labeled for the following circuits: electric fuel pump, instruments, electric water pump, radio, electric fan, brake lights, wipers, headlights, turn signals, emergency flashers, horn, coil, dome light and alternator. Kit includes: 10-gauge alternator lead, mounting bracket, fuses, flashers, horn relay, terminals, fusible link, and step by step instructions.

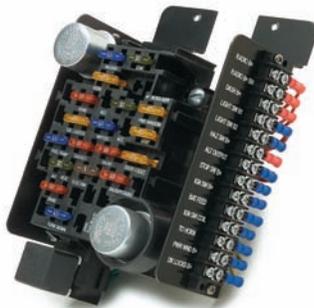
#30001



12 CIRCUIT UNIVERSAL FUSE BLOCK

#30001 - Use this 12 Circuit OEM style pre-wired fuse block to replace your existing fuse block or as a starting point for custom wiring. All you have to do is terminate each circuit wire and attach it to the fuse block. Pre-wired and labeled for the following circuits: Air conditioning /heat, gauges/dash instruments, brake lights, headlights, coil, horn, dome light, radio, electric fan, turn signals, emergency flashers, wipers and alternator. Kit includes: mounting bracket, fuses, flashers, horn relay, terminals, and full instructions.

#30003



18 CIRCUIT UNIVERSAL FUSE BLOCK

#30003 - Contains same circuits as above but also includes circuits for power windows, power door locks, electric fuel pump, backup lights, cruise control, power antenna and other optional accessories.

#30004



NOTE: 50101, 30001, 30003 and 30004 are fuse blocks only. They do not include any additional wiring.

NEW!

WEATHERPROOF UNIVERSAL FUSE BLOCK

#30004 - If you just need to replace an exposed unreliable fuse block with something dependable, this new 20-circuit weatherproof block is the solution. It comes fully assembled with wire leads that you can connect to your existing wiring and is completely sealed from the elements for trouble free performance. Includes mounting bracket.

**CIRCUIT ISOLATING
AUXILIARY FUSE BLOCK KITS**

Don't go unprotected! Electrical accessories can send voltage spikes through your system, damaging everything from light bulbs to computers. The safe way to add electrical accessories is with CirKit Boss, the first circuit isolator that provides both constant and ignition hot circuits. No more tapping into an existing wire or into a spare circuit at the fuse block. Using these add-on, relay activated fuse blocks is the safe way.

Only a small activation wire from any ignition source is needed to turn on the relay that turns on the fuse block. All CirKit Boss models are made using TXL cross link polyethylene wire rated to 125°C (275F) degrees. All harness wires are 48" long and factory machine terminated. CirKit Boss includes an in-line circuit breaker, relay, mounting hardware, & terminals. Protects your OEM warranty. Easy to install. Safely adds ignition hot and constant hot circuits.

3-CIRCUIT AUXILIARY FUSE BLOCK

#70103 - Perfect For Use Under Normal Conditions. 1 constant-hot and 2 ignition-hot circuits. Uses one 30 amp relay.

3-CIRCUIT AUXILIARY FUSE BLOCK

#70113 - Perfect For Use Under Normal Conditions. 3 ignition-hot circuits. Uses one 40 amp relay.

3-CIRCUIT WEATHER RESISTANT FUSE BLOCK

#70203 - Mounts under hood in unprotected areas. Extreme use where moisture/dust resistance is important. 1 constant-hot and 2 ignition-hot circuits. Uses one 30 amp relay. (Includes cover for fuses)

3-CIRCUIT WEATHER RESISTANT FUSE BLOCK

#70213 - Mounts under hood in unprotected areas. Extreme use where moisture/dust resistance is important. 3 ignition-hot circuits. Uses one 40 amp relay. (Includes cover for fuses)

7-CIRCUIT AUXILIARY FUSE BLOCK

#70107 - 3 constant-hot and 4 ignition-hot circuits. Uses one 30 amp relay.

7-CIRCUIT AUXILIARY FUSE BLOCK

#70117 - 7 ignition-hot circuits. Uses two 40 amp relays.

7-CIRCUIT WEATHER RESISTANT FUSE BLOCK

#70207 - 3 constant-hot and 4 ignition-hot circuits. Uses one 30 amp relay. (Includes cover for fuses)

7-CIRCUIT WEATHER RESISTANT FUSE BLOCK

#70217 - 7 ignition-hot circuits. Uses two 40 amp relays. (Includes cover for fuses)

AUXILIARY FUSE BLOCK WEATHER RESISTANT COVERS

#70120 - Cover only - 3 circuit

#70121 - Cover only - 7 circuit

4-CIRCUIT FUSE CENTER

#30002 - Use on any vehicle where additional circuits are needed. Ideal for in-line wiring applications, such as trailer wiring or when adding vehicle accessories. Uses blade type automotive fuses up to 30 amps.

NOTE: No wire with this kit

#70103

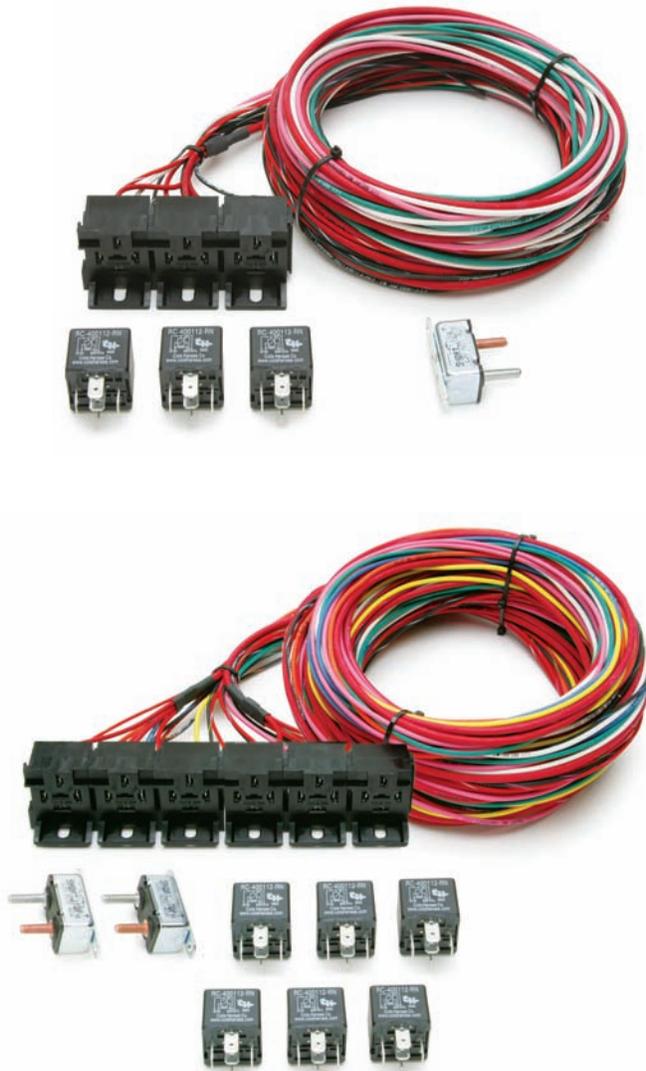


#70207



#70217





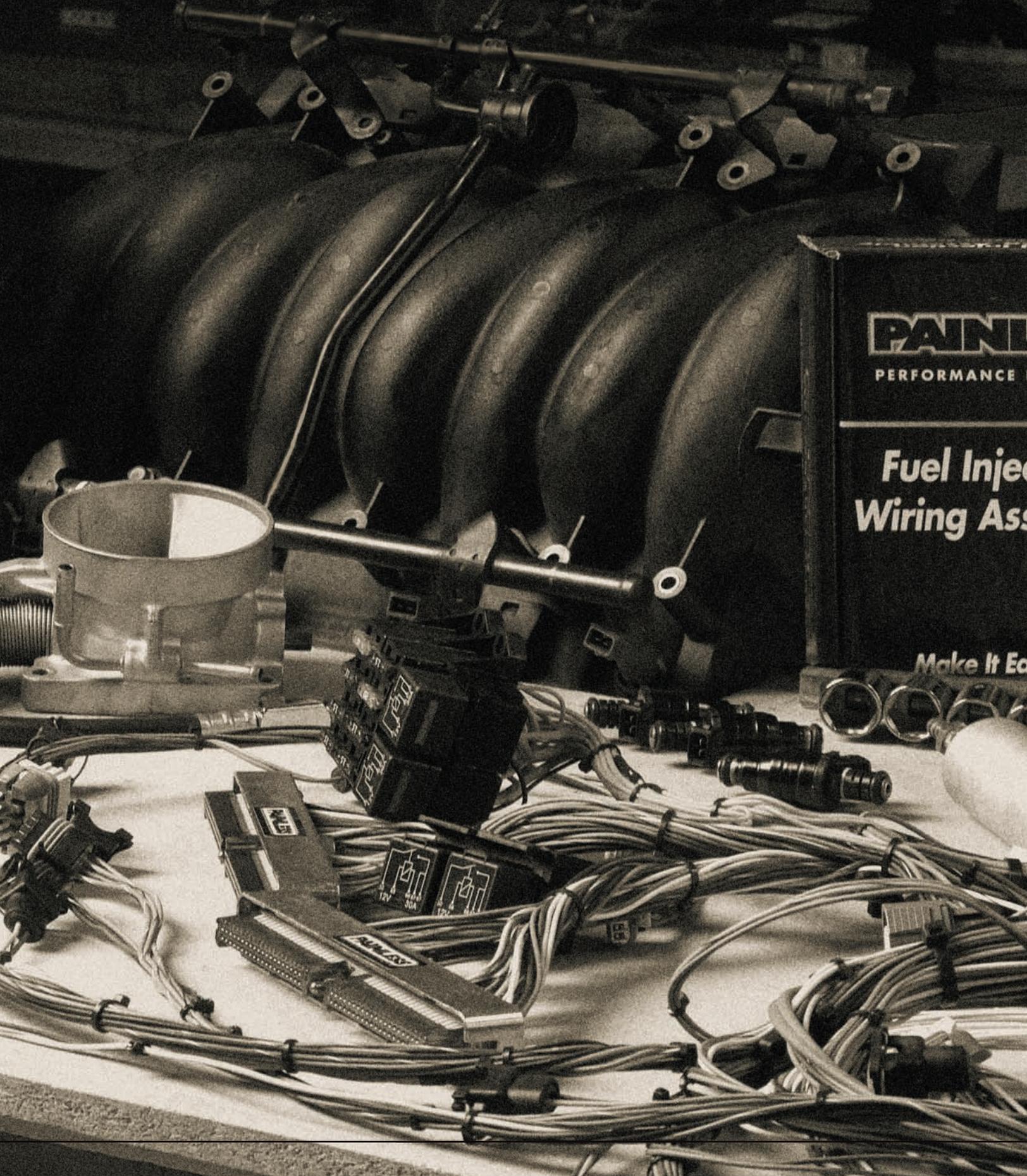
RELAY BLOCK KITS

Choose from either a 3-Pack or 6-Pack of 40 amp relays. Ideal for powering accessories such as fuel pumps, water pumps, throttle stops, fan, nitrous solenoids. 3-Pack kit includes one 40 amp circuit breaker; 6-Pack includes two.

30107 3-Pack Relay Bank

30108 6-Pack Relay Bank

Fuel Injection Harnesses



PAIN
PERFORMANCE

**Fuel Injection
Wiring Ass**

Make It Ea

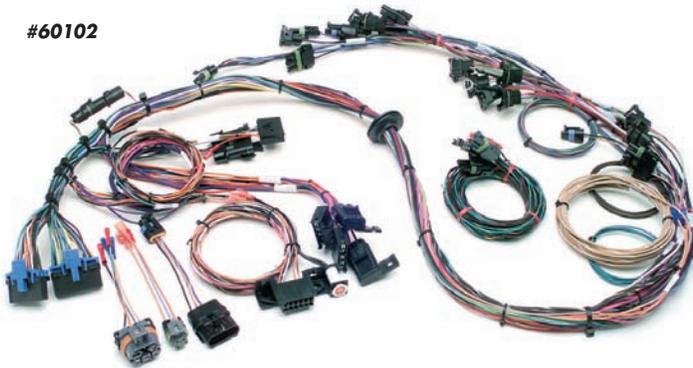
#60101



#60210



#60102



FUEL INJECTION MADE PAINLESS

Those who choose to run the factory engine management computer will appreciate the simplicity of a Painless Fuel Injection Wiring Harness. Yes, you can whittle away at the stock harness and eventually make it work, but why complicate your life? Our engineers have worked out all the potential problems ahead of time so all you have to do is follow the straightforward instructions and you're on your way. Every wire is color-coded and labeled for ease of installation.

GM CROSS FIRE AND THROTTLE BODY FUEL INJECTION HARNESSSES (LU5,L83,LB4,LO3,LO5,L19)

60101 - GM TBI 4.3L, 5.0L, 5.7L, 7.4L - 1986- 1993

60201 - GM TBI 4.3L, 5.0L, 5.7L, 7.4L - 1986- 1993
Extra Length Harness

60210 - GM Vortec 4.3L V6 - 1992-95
No Extra Length Harness Available

60102 - GM TPI 5.0L and 5.7L - 1985-89

60202 - GM TPI 5.0L and 5.7L - 1985-89
Extra Length Harness

60103 - GM TPI 5.0L and 5.7L - 1990-92

60203 - GM TPI 5.0L and 5.7L - 1990-92
Extra Length Harness

Important -
For specific application information refer to the chart on page 41

**GM SEQUENTIAL FUEL INJECTION HARNESSES
(LT1,LT4, L99,LS1,LS2,LS6)**

60502 - GM LT1 1992 - 97

60505 - GM LT1 1992 - 97
Extra Length Harness

Note: Some modifications required on '92-'94 LT1

60506 - GM LS1 1997 - 98

60507 - GM LS1 1997 - 98
Extra Length Harness

60508 - GM LS1 1999 - 02

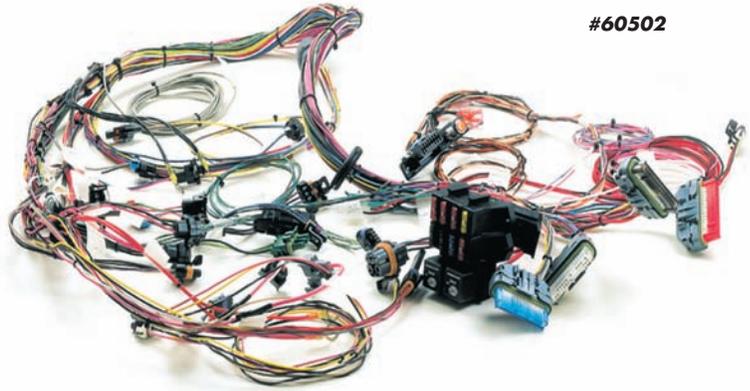
60509 - GM LS1 1999 - 02
Extra Length Harness

60522 - GM LS1/LS6 1997-04
(Electronic Throttle)

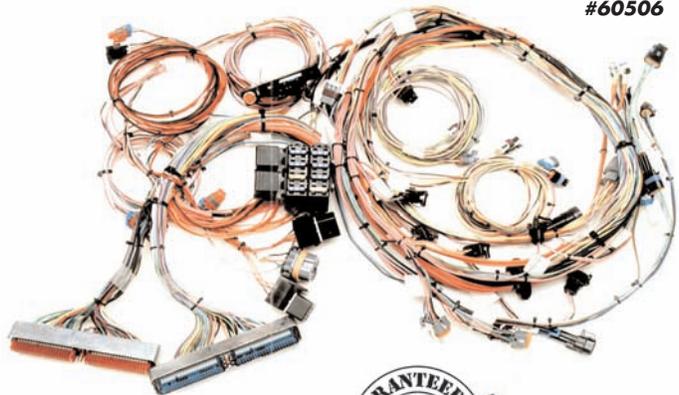
60523 - GM LS1/LS6 1997-04
(Electronic Throttle)
Extra Length Harness

60520 - GM LS2 - 2005

60521 - GM LS2 - 2005
Extra Length Harness



#60502



#60506



#60522



#60520

**Important -
For specific application information refer
to the chart on page 41**

#60211



GM VORTEC MULTI-PORT FUEL INJECTION HARNESSSES (L30,L31,L35,7400)

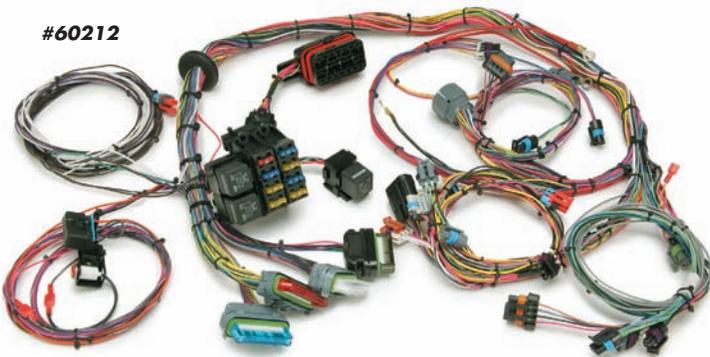
60211 - GM 7.4L Big Block -1996-2000

60216 - GM 7.4L Big Block -1996-2000
Extra Length Harness

60212 - GM Vortec V8 5.0L and 5.7L -1996-99

60213 - GM Vortec V8 5.0L and 5.7L -1996-99
Extra Length Harness

#60212



60214 - GM Vortec V6 4.3L -1996-99

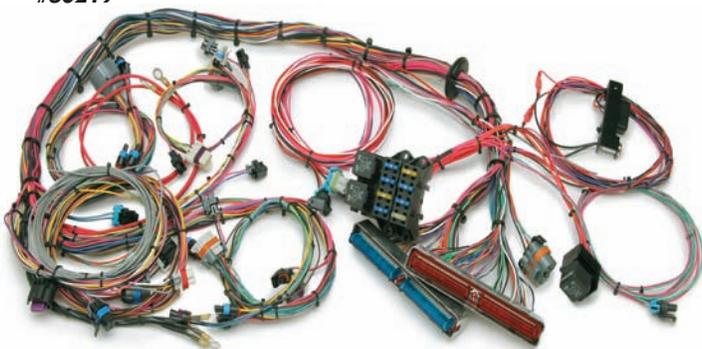
60215 - GM Vortec V6 4.3L -1996-99
Extra Length Harness

GM VORTEC SEQUENTIAL FUEL INJECTION HARNESSSES (LR4,LM7,LQ4,LQ9)

60217 - GM Vortec V8 4.8, 5.3, 6.0L -1999- Later
(mechanical throttle only)
(NOT for Flex Fuel Engines)

60218 - GM Vortec V8 4.8, 5.3, 6.0L -1999- Later
(mechanical throttle only)
Extra Length Harness

#60219



NEW!

GM GEN III FUEL INJECTION HARNESSSES (Electronic Throttle)

60219 - GM Gen III V8 4.8, 5.3, 6.0L -2000- 2002
(electronic throttle by wire only)
(NOT for Flex Fuel Engines)

60220 - GM Gen III V8 4.8, 5.3, 6.0L -2000- 2002
Extra Length Harness
(electronic throttle by wire only)
(NOT for Flex Fuel Engines)

#60510



FORD ELECTRONIC FUEL INJECTION HARNESSSES

60510 - FORD 5.0L V8 - 1985-1/2 - 95*

60511 - FORD 5.0L V8 - 1985-1/2 - 95*
Extra Length Harness

NOTE - 1986-89-1/2 must add mass air sensor
- 1994-95 must modify TPS wiring and change distributor

EMISSIONS HARNESES FOR FUEL INJECTION

Installing a Painless fuel injection harness and want to keep all your emissions devices intact? The Painless solution is to install a Painless emissions harness. These harnesses activate the necessary devices to meet local emissions standards.

See the chart on next page for specific applications.

VATS MODULE

#64023 - Anti-Theft bypass for 1990-92 GM Tuned Port Engines. (Use with Painless harness #60103 or #60203)

#64024 - Anti-Theft bypass for 1992-02 GM LT1 and LS1 Engines. Note: VATS module will not work with Corvette ECM

EXTERNAL COIL CABLES

#60124 - Connects external coil to distributor on TBI & TPI engines.

#60125 - Connects power and tach to coil on TBI & TPI engines.

PARK NEUTRAL RELAY KIT

#60122 - This kit uses the stock neutral safety switch to also provide for ECM park/neutral ground signal needed when installing factory-style fuel injection into older vehicles. For use with any aftermarket shifter or column mounted neutral safety switch.

NEUTRAL SAFETY/BACKUP LIGHT KIT

#80175 - This kit is engineered to perform as a neutral safety switch or a backup-light switch by using one of two trigger levers included. Fits GM Turbo 350, 400 and 700R4 transmissions.

THROTTLE BODY ADAPTER

#60118 - Now you can convert from carburetion to TBI without having to replace your manifold. This adapter bolts on any square or spread bore manifold and accepts any 43mm bore throttle body from 4.3L, 5.0L and 5.7L GM engines.

PRE-WIRED CROSSFIRE ADAPTER

#60112 - Adapts our 60101 and 60210 TBI harnesses to the crossfire systems used on Corvettes, Camaros and Firebirds. Kit includes: 2 rubber seals for injector wires and an idle air control (IAC) adapter which plugs into the 60101 or 60201 TBI harness to split the signal of both IACs. Instructions included.

SPEED SENSOR

#60115 - For 1985-89 TPI and all TBI systems. (2 pulse)

#60116 - For 1990-92 TPI and early LTI systems. (4 pulse)

OXYGEN SENSOR FITTING

#60406 - Weld-in oxygen sensor fitting for all fuel injection systems.

TRANS TORQUE CONVERTER LOCK-UP KITS

Control the lockup converter on your overdrive transmission with your carbureted engine and not have to buy an expensive computer! With our easy to install Lock-Up Kit you don't need the computer or speed sensor. A vacuum controlled switch and a 4th gear pressure switch/lock up solenoid combination controls the lockup. Brake switch for disengaging also included. Comes with everything to complete the job including a pan gasket.

#60109 - For 700R4 transmissions

#60110 - For 200-4R transmissions





©

Make	Year	Donor Vehicle	Fuel Injection Type	Engine Size	Engine RPO	Throttle Body Type	Painless Harness Part # (Std. Length)	Painless Harness Part # (4FT. Extra Length at ECM Connectors)	VATS Module Required	VSS Sensor Required	Emission Harness (Std. Length)	Emission Harness (Extra Length)	PCM Service #	ECM PROM #	ECM CALPACK	Transmissions Controlled	
GM	'82-84	Camaro/Firebird Corvette	CFI	5.0 L	LU5	Cable Throttle	60101 ¹	60201 ¹	N/A	60115	60310	60311	1227747, 16121154, 88999146	16139492	16060836	200/700-R4	
				5.7 L	LB3									16139566			
	'86-93	TBI Vehicles (4.3, 5.0, 5.7 & 7.4 liter engines only)	TBI		4.3 L	LB4	Cable Throttle	60101	60201	N/A	60115	60310	60311	1227747, 16121154, 88999146	16146750	16060836	200/700-R4
					5.0 L	L03									16139512		None
					5.7 L	L05									16139566		
					7.4 L	L19									16169157 ⁸		
	'85-88	Camaro/Firebird Corvette	TPI (Mass Air Flow)		5.0 L	LB9	Cable Throttle	60102 ^{4, 12}	60202 ^{4, 12}	N/A	60115	60312	60313	1227165, 16198259, 88999194	16082183	N/A	200/700-R4
					5.7 L	L98									16068654		
	'89	Camaro/Firebird Corvette	TPI (Mass Air Flow)		5.0 L	LB9	Cable Throttle	60102 ⁴	60202 ⁴	N/A	60115	60312	60313	1227165, 16198259, 88999194	16133467	N/A	200/700-R4
					5.7 L	L98									16150500		
	'90-91	Camaro/Firebird Corvette/Camaro	TPI (MAP)		5.0 L	LB9	Cable Throttle	60103	60203	64023	60116	60314	60315	1227730, 16198262, 88999195	N/A	N/A	200/700-R4
					5.7 L	L98											
	'92	Camaro/Firebird	TPI (MAP)		5.0 L	LB9	Cable Throttle	60103	60203	64023	60116	60314	60315	1227730, 16198262, 88999195	N/A	N/A	200/700-R4
	'92-95	CMFI 4.3L Vehicles	CMFI		4.3 L	L35	Cable Throttle	60210	N/A	N/A	N/A	Included	N/A	16197427	16219039	N/A	4L60E
	'93-97	Camaro/Firebird Corvette	SFI		5.7 L	LT1/LT4	Cable Throttle	60502 ^{6, 7}	60505 ^{6, 7}	64024 (Included)	N/A	Included	Included	16188051, 88961150	N/A	N/A	4L60E
	'92-96	Roadmaster															
	'94-96	Impala/Caprice															
	'94-96	Caprice															
	'97-04	Corvette	SFI		5.7 L	LS1/LS6	Throttle by Wire	60522 ^{5, 7}	60523 ^{5, 7}	Must Reprogram PCM	N/A	N/A	N/A	12200411	N/A	N/A	4L60E or 6 Spd
	'98	Camaro/Firebird	SFI		5.7 L	LS1	Cable Throttle	60506 ⁷	60507 ⁷	64024 (Included)	N/A	60318	60319	16238212	N/A	N/A	4L60E or 6 Spd
'99-02	Camaro/Firebird	SFI		5.7 L	LS1	Cable Throttle	60508 ⁷	60509 ⁷	64024 (Included)	N/A	60324	60325	12200411, 9354896	N/A	N/A	4L60E or 6-Spd	
'96-99	Vortec Trucks	CMFI		4.3 L	L35	Cable Throttle	60214 ⁷	60215 ⁷	N/A	N/A	60320	60321	16244210, 16229584	N/A	N/A	4L60E	
				5.0 L	L30												
				5.7 L	L31												
'96-00				7.4 L	7400		60211 ⁷	60216 ⁷	N/A	N/A	60326	60327				4L80E	
'99-UP	Gen 3 Vortec Trucks	SFI		4.8 L	LR4	Cable Throttle	60217 ^{7, 9, 11}	60218 ^{7, 9, 11}	Must Reprogram PCM	N/A	60322	60323	12200411, 9354896	N/A	N/A	4L60E	
				5.3 L	LM7												
				6.0 L	LQ4/LQ9												
00-'02	Gen 3 Vortec Trucks	SFI		4.8 L	LR4	Throttle by Wire	60219 ^{7, 11}	60220 ^{7, 11}	Must Reprogram PCM	N/A	N/A	N/A	12200411	N/A	N/A	4L60E	
				5.3 L	LM7												
				6.0 L	LQ4/LQ9												
'05-06	Corvette, GTO, SSR ¹⁵	SFI		6.0L	LS2 ¹⁵	Throttle by Wire	60520 ^{5, 7}	60521 ^{5, 7}	Must Reprogram PCM	N/A	N/A	N/A	12200411	N/A	N/A	4L60E or 6-Spd	
Ford	'86-95	Ford Automobile	EFI	5.0 L	N/A	Cable Throttle	60510 ^{3, 14}	60511 ^{3, 14}	N/A	E3AZ-9E731-A	Not Available	Not Available	E9ZF-12A-650-AA		None		

Fuel Injection Type:

- TBI - Throttle Body Injection
- TPI - Tuned Port Injection
- MFI - Multi Port Fuel Injection
- SFI - Sequential Fuel Injection
- CFI - Cross Fire Injection
- EFI - Electronic Fuel Injection
- CMFI - Central Multi Port Fuel Injection

Notes:

- Five digit part numbers are Painless part numbers
- All Prom numbers shown are for auto transmission
- 1 - You must use crossfire adapter # 60112
- 2 - A VATS module is not required when using this chip
- 3 - Harness does not support 5.0L Ford truck engine
- 4 - '90-91 listed components and harness must be used when converting to Speed Density
- 5 - This harness only supports throttle by wire engines
- 6 - Minor engine ignition component modifications may be required

- 7 - The PCM programming should match engine / transmission combination and may require modification to turn off check engine light
- 8 - This PROM does not control any transmission or torque converter functions, Painless part # 60109 is recommended if using a 700-R4 transmission
- 9 - This harness will not work with the "Throttle By Wire" setup, the engine must be converted to mechanical throttle
- 10 - This PROM will not operate the emission control devices
- 11 - This harness does not support Flex-Fuel engines
- 12 - The '85 Computer will not work with this wire harness
- 13 - These part #'s are available from Ford Motorsports (NO PROVISIONS FOR EMISSIONS)
- 14 - If motor is not an '86-93 5.0 H.O. you must use a '86-93 Mustang Distributor, ECM, MAF, and modify TPS & VSS wiring
- 15 - Model years supported are '05 Corvette, '05-06 GTO and '06 SSR
- 16 - Engine codes supported are ZJA, ZJB, 5MC, YTA and 5MC with 24 tooth crank reluctor wheel

Switch Control Panels



Street Rods,
Race Vehicles

Fuel Injection Harnesses

PAINLESS
PERFORMANCE PRODUCTS

WATER PUMP

START

IGNITION

ELECTRIC PUMP/FAN

FUEL PUMP

SHOCKS

PAINLESS
PERFORMANCE PRODUCTS

ACCV. I

PUMP

PUMP/FAN

PURGE

FUEL PUMP ON

IGNITION

START



CONTOUR ROCKER SWITCH PANELS

The rocker switches in these panels are not only stylish but practical as well. The covers are interchangeable so each panel can be customized to each user's needs without having to purchase all new switches. Each switch is also fully sealed for protection against the elements. Finally, each panel features a charge indicator LED light. Panels come with 18 foot TXL wiring harness.

- # 50320 - 4-Switch Panel
- # 50321 - 6-Switch Panel
- # 50322 - 8-Switch Panel

NEW!



4, 6 or 8 Switch Panels Available



#80430 #80434 #80439 #80445

Charge Indicator Light

Each Circuit Fuse Protected

CONTOUR ROCKER SWITCHES

These sleek new rocker switches are not only stylish but are very versatile as well. The replaceable covers allow the user to customize each switch to taste and function. Colors and styles are easily swapped out for a personalized look. Each switch is sealed and fully protected from the elements.

- # 80420 - Lighted Contour Rocker Switch (On/Off)
- # 80421 - Lighted Contour Rocker Switch (On/Off/On)
- # 80422 - Lighted Contour Rocker Switch (On/Off/Momentary)
- # 80425 - Lighted Contour Rocker Switch Kit (6 Switches/6 Covers)
- # 80430 - Single Lens Switch Cover - Red
- # 80431 - Single Lens Switch Cover - Blue
- # 80432 - Single Lens Switch Cover - Amber
- # 80433 - Double Lens Switch Cover - Red
- # 80434 - Double Lens Switch Cover - Green
- # 80435 - Black Lens Switch Cover
- # 80436 - Double Oval Rocker Switch Cover - Amber
- # 80437 - Double Oval Rocker Switch Cover - Green
- # 80438 - Oval/Bar Rocker Switch Cover - Red
- # 80439 - Oval/Bar Rocker Switch Cover - Blue
- # 80440 - Oval/Bar Rocker Switch Cover - Amber
- # 80441 - Oval/Bar Rocker Switch Cover - Green
- # 80445 - Black Rocker Switch Cover - No Lens



FUSED ROCKER SWITCH PANELS

Designed with input from some of the best drag racers in the country, Painless switch panels feature: Heavy-duty lightweight non-reflective housing designed to mount to a roll bar using standard metal hose clamps. Lighted rocker switches are color coded for quick visual reference. All circuits individually fused and easily accessible for quick testing and replacement. All units come complete with 18' of high temp TXL wire using machine applied, vibration resistant, fully insulated terminals.

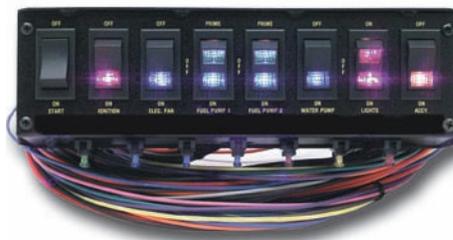
- #50301 - 4 Switch Panel Controls: Start, Ignition, 2 accessories.
 - #50302 - 6 Switch Panel Controls: Start, Ignition, Fuel Pump, Electric Fan/Water Pump, and Two Accessories.
 - #50303 - 8 Switch Panel Controls: Start, Ignition, Electric Fan, Fuel Pump #1, Fuel Pump #2, Water Pump, Lights and One Accessory.
 - #50506 - 6 Switch In-Line Panel Controls Start, Ignition, Fuel Pump, Water Pump/Fan*, and Two Accessories.
Use in vertical or horizontal position.
- (*Three position switch for Water Pump/off/Water Pump and Fan)



#50301



#50302



#50303



#50506

CIRCUIT BREAKER PROTECTED ROCKER SWITCH PANELS

The most popular switch panels in drag racing today are now even better. These new switch panels feature circuit breakers in place of standard fuses, so if you're on the line and circuit blows, it can be reset with just a touch. Features also include color-coded lighted rocker switches for easy identification, 18 ft. of the highest grade TXL wire, vibration resistant terminals and a black finish for reduced glare.

- #50304 - 4 Switch rocker panel
- #50305 - 6 Switch rocker panel
- #50306 - 8 Switch rocker panel
- #50603 - 4 Switch nitrous rocker panel



#50305

See Page 51 For Panel Dimensions

#50404



#50406



#50408



#50830



#50840



NON-FUSED ROCKER SWITCH PANELS

Looking to mount your switches in the dash rather than on a roll bar? Then these new non-fused panels are your answer. Available in four, six or eight switch versions, these heavy-duty, light-weight panels are pre-assembled with vibration-resistant terminals and 18 feet of the best high temperature wire available.

#50404 - 4 Switch Controls: Start, Ignition, 2 accessories.

#50406 - 6 Switch Controls: Start, Ignition, Fuel Pump, Water Pump/Fan and 2 accessories.

#50408 - 8 Switch Controls: Start, Ignition, Electric Fan, Fuel Pump #1, Fuel Pump #2, Water Pump, Lights and One Accessory.

WATERPROOF IGNITION CONTROL CENTERS

#50830 - 3 Switch panel with one push button waterproof start switch, waterproof toggle and waterproof accessory switch with 18 foot pre-terminated wiring harness.

#50840 - 4 Switch waterproof toggle switch panel with pre-terminated 18 foot wiring harness.

See Page 51 For Panel Dimensions

FUSED TOGGLE SWITCH PANELS

Ideal for race or street cars, off-road and trucks or utility vehicles, these proven switch centers from Painless are just what you need. These anodized, brushed aluminum panels are available in four, six and eight switch versions. Painless toggle switch panels feature: Heavy-duty lightweight non-reflective housings designed to mount to the dash or to a roll bar using standard metal hose clamps. All circuits individually fused and easily accessible for quick testing and change. All units come complete with 18' of high temp TXL wire using machine applied, vibration resistant, fully insulated terminals.

#50307 - 4 Switch toggle panel

#50308 - 6 Switch toggle panel

#50309 - 8 Switch toggle panel

#50602 - 4 Switch nitrous toggle panel

#50307**#50308****UNIVERSAL TOGGLE SWITCH PANELS**

Our basic non-fused toggle panel kits. Features brushed aluminum finish, 18 feet of the highest grade TXL wire, vibration resistant terminals and premium grade toggle switches. Comes with peel and stick labels for custom wiring.

#50413 - Dash Mount 4 Switch Toggle Panel

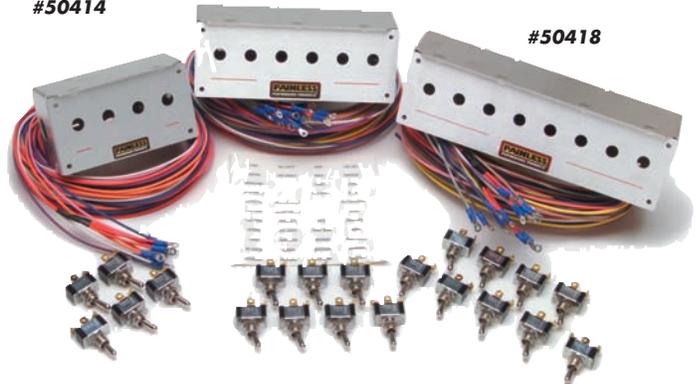
#50414 - Roll Bar Mount 4 Switch Toggle Panel

#50415 - Dash Mount 6 Switch Toggle Panel

#50416 - Roll Bar Mount 6 Switch Toggle Panel

#50417 - Dash Mount 8 Switch Toggle Panel

#50418 - Roll Bar Mount 8 Switch Toggle Panel

#50416**#50414****#50418**

See Page 51 For Panel Dimensions

#50410



#50412



#50411



#50604



#50318



PRO STREET/STOCK PANEL

#50410 - 8-switch Pro Street panel which includes: Push Button Start, Toggle-Ignition, Fuel Pump, Fan, Park/Head Lights, Turn Signals and Horn.

PRO STOCK PANEL

#50412 - 6-switch Pro Stock panel which includes: Push Button Start, Toggle-Ignition, Fuel Pump, Water Pump/Fan and Two Accessories.

NITROUS PANEL

#50411 - 4-switch Nitrous panel which includes: Toggle Main Power On, Fuel Pump, Push Button Purge #1 and Push Button Purge #2.

NITROUS ROCKER SWITCH PANEL

#50604 - Painless fused switch control panel for nitrous application. The four lighted on/off rocker switches control main power plus 3 nitrous stages. The main power switch is protected with a 30 amp fuse, while the 3 staging switches have 15 amp fuses. Includes an output wire for purge functions and an output for WOT relay. The brushed aluminum panel is prewired with 10 feet of light weight, high temp TXL wire.

ALA CARTE ROCKER-SWITCH PANELS

This universal rocker switch panel comes in 4, 6 or 8 circuit variations and is complete with stick-on labels for a truly custom look. All panels feature lighted switches in various colors. Additional switches are included for custom wiring.

#50313 - 4-Switch Universal Rocker Panel - Dash Mount

#50314 - 4-Switch Universal Rocker Panel - Roll Bar Mount

#50315 - 6-Switch Universal Rocker Panel - Dash Mount

#50316 - 6-Switch Universal Rocker Panel - Roll Bar Mount

#50317 - 8-Switch Universal Rocker Panel - Dash Mount

#50318 - 8-Switch Universal Rocker Panel - Roll Bar Mount

See Page 51 For Panel Dimensions

CARBON FIBER MUSTANG POWER PANELS

These race quality carbon fiber switch panels add styling and functionality to your Mustangs as well as provide a convenient way to mount switches. The Power Panels mount in the radio/stereo location of 1987-93 Mustangs and are available with either lighted rocker switches or toggle switches with LEDs. Hide-A-Panels fit in the ashtray location of 1987-97 Mustangs. Choose from a kit with four lighted rocker switches or a nitrous kit with three lighted rockers and one momentary switch for purge function. Each panel includes 18 feet of high temp TXL wiring.

- #50430 - Rocker Switch Mustang Power Panel
- #50431 - Toggle Switch Mustang Power Panel
- #50432 - Mustang Carbon Fiber Hide-a-Panel
- #50433 - Mustang Carbon Fiber Nitrous Hide-a-Panel

ASHTRAY COVER SWITCH PANELS

These four switch kits install easily in the ashtray location of 1987-97 Mustangs. Choose from four lighted rocker switches or the nitrous version which has three lighted switches plus a momentary switch for purge functions. Included in each kit is a start button which installs in the cigarette lighter location.

- #50213 - 4 Switch kit with start button.
- #50423 - 4 Switch kit with nitrous purge and start buttons.

MUSTANG HIDE-A-PANEL

#50212 - No convenient place in the car to mount a switch panel? Painless Hide-A-Panel is easily installed in the ashtray location of all 1987-97 Mustangs. Assembled unit includes faceplate, 4 lighted rocker switches, TXL wire, and mounting hardware.

MUSTANG NITROUS HIDE-A-PANEL

#50422 - This ashtray mount panel is ideal for Mustang racers looking to conceal their nitrous capability. Includes three lighted on/off rocker switches and one momentary switch for purge function. Comes fully assembled and complete with mounting hardware. Fits 1987-97 Mustangs.

MUSTANG RADIO ROCKER SWITCH PANELS

Mounts in radio/stereo location of Mustangs. Kit includes six colored LEDs, six heavy duty on/off toggle switches, one each of momentary and on/off/on switches color-coded TXL wire.

- #50210 - Fits 1979-86 Mustangs.
- #50211 - Fits 1987-93 Mustangs.

MUSTANG RADIO TOGGLE SWITCH PANELS

Mounts in radio/stereo location of Mustangs. Kit includes six colored LEDs, six heavy duty on/off toggle switches, one each of momentary and on/off/on switches color-coded TXL wire.

- #50420 - Fits 1979-86 Mustangs.
- #50421 - Fits 1987-93 Mustangs.



#50430

#50432



#50431



#50423



#50212



#50422



#50210



#50420

#50330



#50333



(Shown without waterproof switch covers in place)

#50334



#50337



(Shown without waterproof switch covers in place)

WEATHERPROOF OFF-ROAD SWITCH PANELS

These new switch panels are the only panels to consider if your vehicle will be subject to harsh outdoor conditions. They feature a formed polyethylene liner to seal the face plate to the dash or chassis, creating a water-resistant seal. The panel includes a keyed ignition switch for added security. All switches and circuit breakers are protected by weather resistant boots and all circuits are protected with circuit breakers. All units come complete with 18' of high temp TXL wire using machine applied, vibration resistant, fully insulated terminals. These kits are shipped unassembled with peel and stick labels for custom applications.

#50330 - 4 Toggle Off-Road Switch Panel, Dash Mount

#50331 - 4 Toggle Off-Road Switch Panel, Roll Bar Mount

#50332 - 6 Toggle Off-Road Switch Panel, Dash Mount

#50333 - 6 Toggle Off-Road Switch Panel, Roll Bar Mount

PUSH BUTTON START OFF-ROAD SWITCH PANELS

Following the successful introduction of our Off-Road Switch Panels in 2005, we had many requests for a similar panel but with a push button rather than a keyed start. So here you are, available as dash or roll bar mount and with four or six toggle switches.

#50334 - 4 Switch, dash mount

#50335 - 4 Switch, roll bar mount

#50336 - 6 Switch, dash mount

#50337 - 6 Switch, roll bar mount

REPLACEMENT ROCKER SWITCHES

Fits cut-out dimensions of $1\frac{3}{16}'' \times 1\frac{7}{16}''$

- #80400 - Momentary On (non-lighted)
- #80401 - On/Off - Red Light
- #80402 - On/Off/Momentary On - Green Lights
- #80403 - On/Off/On - Red Lights
- #80404 - On/Off - Amber Light
- #80405 - On/Off - Blue Light

REPLACEMENT DIODE

- #80111 - Diode

OEM FITMENT ROCKER SWITCHES

Fits standard rectangular cutouts found in GM, Ford, Toyota, Etc. $1\frac{3}{16}'' \times 1\frac{7}{16}''$

- #80407 - On/Off Single Pole - Amber Light
- #80408 - On/Off/On Single Pole - Amber Lights
- #80409 - On/Off Double Pole - Blue Light

MINI ROCKER SWITCHES

Fits cut-out dimensions of $1 - \frac{1}{2}'' \times \frac{1}{2}''$

These are the same switches used in our Mustang Hide-a-Panels. Available in red, blue, green, amber and momentary (no light).

- #80411 - Momentary - (non-lighted)
- #80412 - On/Off Single Pole - Blue Light
- #80413 - On/Off Single Pole - Green Light
- #80414 - On/Off Single Pole - Amber Light
- #80415 - On/Off Single Pole - Red Light

MIL SPEC TOGGLES

- #80510 - Off/momentary on SPST
- #80511 - Off/on SPST

By far the most reliable switches you can find. Internally sealed, this switch is used extensively in military aircraft. Switch design allows terminals to be screwed directly to the switch housing eliminating the tab mount that can sometimes break loose.

HEAVY DUTY TOGGLES All 20 amp

- #80501 - Off/Momentary on, single pole/single throw
- #80502 - Off/on, single pole/single throw
- #80512 - On/off/on, single pole/double throw
- #80513 - Off/on, double pole/single throw
- #80514 - On/off/on, double pole/double throw

WATERPROOF TOGGLES All 20 amp

- #80530 - On/off, single pole/single throw
- #80531 - Off/momentary on, single pole/single throw
- #80532 - On/off/on, single pole/double throw
- #80533 - Off/on, double pole/single throw
- #80534 - On/off/on, double pole/double throw
(All include boot 80520 shown far right)

WATERPROOF SWITCH BOOT

- #80520 - Use shaft mounted toggles with $15/32''$ threads.

REPLACEMENT CIRCUIT BREAKERS

Push-in manual reset circuit breakers.

- #80107 - 10 amp breaker
- #80108 - 15 amp breaker
- #80109 - 20 amp breaker
- #80110 - 30 amp breaker

PAINLESS[®]



#80529

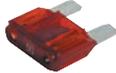


#80528

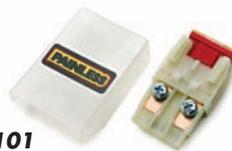
#80521



#80102



#80101



WATERPROOF UNIVERSAL KEYED IGNITION SWITCH #80529 - Fits 3/4" hole.

EXTREME CONDITION PUSH BUTTON MOMENTARY START #80528 - Fits 5/8" hole.

AIRCRAFT SWITCH COVER #80521 - Shields all shaft mounted toggles for extra safety.

MAXI FUSE ASSEMBLY #80101 - Maxi-Fuse Assembly with 70 amp Maxi-Fuse and cover.

REPLACEMENT MAXI FUSE #80102 - 70 Amp Maxi-Fuse only

PART	DESCRIPTION	H x W x D	PART	DESCRIPTION	H x W x D
50201	8 Switch Rocker Panel - Dash Mount	3 x 10.75 x 3.125	50404	4 Switch Rocker Panel - Dash Mount	3 x 5.75 x 2.5
50202	8 Switch Rocker Panel - Roll Bar Mount	3 x 10.75 x 3.125	50406	6 Switch Rocker Panel - Dash Mount	3 x 5.75 x 2.5
50210	6 Switch Mustang Rocker Panel '79-'86	2.875 x 8 x 3.125	50408	8 Switch Rocker Panel - Dash Mount	3 x 5.75 x 2.5
50211	6 Switch Mustang Rocker Panel '87-'93	5 x 8.5 x 3.125	50410	8 Switch ProStreet Toggle Panel - Dash Mount	3.125 x 10.75 x 2.5
50212	4 Switch Mustang Hide-A-Panel '87-'97	4.25 x 2.25 x 2.5	50411	4 Switch Nitrous Toggle Panel - Dash Mount	3.125 x 5.75 x 2.5
50213	4 Switch Mustang Hide-A-Panel w/start button '87-'97	4.25 x 2.25 x 2.5	50412	6 Switch ProStreet Toggle Panel - Dash Mount	3.125 x 8.25 x 2.5
50301	4 Switch Fused Rocker Panel - Roll Bar Mount	3 x 5.75 x 3.125	50413	4 Switch Universal Toggle Panel - Dash Mount	3.125 x 5.75 x 2.5
50302	6 Switch Fused Rocker Panel - Roll Bar Mount	3 x 8.75 x 3.125	50414	4 Switch Universal Toggle Panel - Roll Bar Mount	3.125 x 5.75 x 2.5
50303	8 Switch Fused Rocker Panel - Roll Bar Mount	3 x 10.75 x 3.125	50415	6 Switch Universal Toggle Panel - Dash Mount	3.125 x 8.25 x 2.5
50304	4 Switch Circuit Breaker Rocker Panel - Roll Bar Mount	3 x 5.75 x 3.125	50416	6 Switch Universal Toggle Panel - Roll Bar Mount	3.125 x 8.25 x 2.5
50305	6 Switch Circuit Breaker Rocker Panel - Roll Bar Mount	3 x 8.75 x 3.125	50417	8 Switch Universal Toggle Panel - Dash Mount	3.125 x 10.75 x 2.5
50306	8 Switch Circuit Breaker Rocker Panel - Roll Bar Mount	3 x 10.75 x 3.125	50418	8 Switch Universal Toggle Panel - Roll Bar Mount	3.125 x 10.75 x 2.5
50307	4 Switch Fused Toggle Panel - Roll Bar Mount	3 x 5.75 x 3.125	50420	6 Switch Mustang Toggle Panel w/Lights '79-'86	2.875 x 8 x 3.125
50308	6 Switch Fused Toggle Panel - Roll Bar Mount	3 x 8.75 x 3.125	50421	6 Switch Mustang Toggle Panel w/Lights '87-'93	5 x 8.5 x 3.125
50309	8 Switch Fused Toggle Panel - Roll Bar Mount	3 x 10.75 x 3.125	50422	4 Switch Mustang Nitrous Hide-A-Panel '87-'97	4.25 x 2.25 x 2.5
50313	4 Switch Universal Rocker Panel - Dash Mount	3.125 x 5.75 x 2.5	50423	Mustang Nitrous Hide-A-Panel w/Start Button '87-'97	4.25 x 2.25 x 2.5
50314	4 Switch Universal Rocker Panel - Roll Bar Mount	3.125 x 5.75 x 2.5	50430	Mustang Rocker Power Panel '87-'93	5 x 8.5 x 3.125
50315	6 Switch Universal Rocker Panel - Dash Mount	3.125 x 8.25 x 2.5	50431	Mustang Toggle Power Panel '87-'93	5 x 8.5 x 3.125
50316	6 Switch Universal Rocker Panel - Roll Bar Mount	3.125 x 8.25 x 2.5	50432	Mustang Rocker Hide-A-Panel '87-'97	4.25 x 2.25 x 2.5
50317	8 Switch Universal Rocker Panel - Dash Mount	3.125 x 10.75 x 2.5	50433	Mustang Toggle Hide-A-Panel '87-'97	4.25 x 2.25 x 2.5
50318	8 Switch Universal Rocker Panel - Roll Bar Mount	3.125 x 10.75 x 2.5	50506	6 Switch Fused Vertical Dragster Rocker Panel	15.5 x 1.5 x 2.5
50320	4 Switch Contour Rocker Panel	3 x 5.75 x 3.125	50602	4 Switch Fused Nitrous Toggle Panel- Roll Bar	3 x 5.75 x 3.125
50321	6 Switch Contour Rocker Panel	3 x 8.75 x 3.125	50603	4 Switch Circuit Breaker Nitrous Rocker - Roll Bar	3 x 5.75 x 3.125
50322	8 Switch Contour Rocker Panel	3 x 10.75 x 3.125	50604	4 Switch Fused Nitrous Rocker Panel- Roll Bar	3 x 5.75 x 3.125
50330	4 Switch Offroad Toggle Panel - Dash Mount	3 x 8.625 x 2.5	50710	Master Disconnect Switch w/Panel	3.5 x 3.5 x 3
50331	4 Switch Offroad Toggle Panel - Roll Bar Mount	3 x 8.625 x 2.5	50830	3 Switch Waterproof Toggle panel - Dash Mount	3 x 3.5 x 2.75
50332	6 Switch Offroad Toggle Panel - Dash Mount	3 x 10.75 x 2.5	50840	4 Switch Waterproof Toggle panel - Dash Mount	3.5 x 5.75 x 2.75
50333	6 Switch Offroad Toggle Panel - Roll Bar Mount	3 x 10.75 x 2.5			
50334	4 Switch Offroad Toggle Panel - Dash Mount	3 x 8.625 x 2.5			
50335	4 Switch Offroad Toggle Panel - Roll Bar Mount	3 x 8.625 x 2.5			
50336	6 Switch Offroad Toggle Panel - Dash Mount	3 x 10.75 x 2.5			
50337	6 Switch Offroad Toggle Panel - Roll Bar Mount	3 x 10.75 x 2.5			

The First Choice Of Professional Racers For 18 Years

Accessories & Components





ELECTRIC WATER PUMP RELAY

#50106 - This relay kit provides maximum battery voltage to maximize cooling efficiency and to protect the main electrical system from damaging amperage overloads.

WEATHERPROOF WATER PUMP RELAY

#30132 - Perfect for the harsh conditions encountered off-road, this relay kit provides complete protection from the elements and ensure reliable and dependable performance. These kits utilize heavy duty waterproof relays, weatherproof circuit breaker covers and extreme condition weatherproof shrinkable crimp-on terminals.

UNIVERSAL FUEL PUMP RELAY KIT

#50102 - A relay will prevent voltage drops at the pump thus maintaining constant fuel pump pressure, and will prevent fuel pump amperage from damaging the electrical system. It's a good idea to relay your fuel pump for the street and a must when you're racing.

WEATHERPROOF FUEL PUMP RELAY KIT

#30131 - Perfect for the harsh conditions encountered off-road, this relay kit provides complete protection from the elements and ensures reliable and dependable performance. These kits utilize heavy duty waterproof relays, weatherproof circuit breaker covers and extreme condition weatherproof shrinkable crimp-on terminals.

HOT SHOT PLUS ENGINE BUMP SWITCH

#30201 - This switch allows you to turn over the engine from the engine compartment for adjusting valves. It also overcomes starting problems due to an overheated starter or worn out electrical system by boosting amperage to the starter solenoid every time the vehicle is started.

REMOTE STARTER SOLENOID

#30203 - Allows you to position the starter solenoid any place you need to in order to make maintenance easier. Comes with wire and connectors to do the job right.

HOT SHOT

#30202 - Designed to overcome starting problems due to an overheated GM style starter or worn out electrical system. Works by boosting amperage to the starter solenoid.

CHARGING SYSTEM SHUTDOWN RELAY KIT

#50103 - Alternator feedback can keep your engine running even with the master disconnect turned off - this kit eliminates engine run-on. Highly recommended by most racing sanctioning bodies. Easy to install with all hardware and instructions. 35 amp maximum for racing only.



HIGH AMP ALTERNATOR SHUTDOWN RELAY KIT

#50105 - This kit, complete with 250 amp solenoid, will effectively handle alternator feedback of the highest amperage alternators. Eliminates engine run-on when the master disconnect is turned off.



MAGNETO SHUTDOWN RELAY KIT

#50104 - Since a magneto does not require battery power to operate, your engine may continue to run even with the battery disconnect switch turned off. This relay kit will ground the magneto's internal windings, preventing the coil from producing a spark. Easy to install with all hardware and instructions.



REPLACEMENT RELAYS

#80130 - 40 amp single pole/single throw relay for use with Cirket Boss, horn relay, fan relay, fuel pump, water pump, brake light or Hot Shot kits. Also used in 50001 harness kit.

#80131 - 30 AMP single pole/double throw relay used in Magneto Shutdown and Park/Neutral relay kits.

#80135 - Two micro relays.

#80136 - Micro relay with base and terminals.



#80133



RELAY BASE PORT

#80133 - Made of High Impact ABS thermo plastic. The same relay base we use on all our products. Terminals provided. For 80130 and 80131 relays.



#80135

#80136

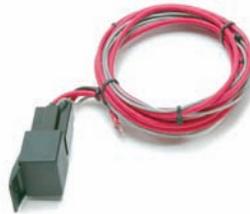
#30104



#30101



#30100



#30102



REPLACEMENT THERMOSTATS

#30110

200° On/185° Off

#30111

185° On/170° Off

#30113

205° On/190° Off

GEN III only



#30129



#30106



#30127



#30109



#30133

ADJUSTABLE ELECTRIC FAN THERMOSTAT KIT

#30104 - Designed to allow a wide range of temperature adjustments for your electric fan. A bulb at the end of the capillary tube is inserted in the fins or attached to the top or hottest portion of the radiator. Use the adjustment knob to set a precise temperature desired for fan activation. The strong brushed stainless steel mounting bracket looks great. Complete kit includes thermostat, bracket, 30 amp relay, 30 amp circuit breaker for overall protection, wiring, terminals and hardware. Note: Temperature refers to the temp of the capillary tube, not the coolant temp.

#30112 - Adjustable Thermostat kit without relay.

Specs: Temp range - 32 deg to 248 deg F, Accuracy: +/- 7.3 deg F, Differential: 7.3 deg +/- 3.6 deg F

70 AMP FAN RELAY KIT

#30100 - This kit is designed for running high amp dual fans or Monster fan set-ups.

NEW!

FAN-THOM ELECTRIC FAN RELAY

#30101 - Designed as inexpensive protection for your electric fan. Provides constant voltage, protects from voltage and amperage spikes and keeps fan from feeding back through the system. An absolute necessity if adding an on/off switch to your electric fan circuit.

FAN-THOM II ELECTRIC FAN RELAY WITH THERMOSTAT PROTECTION

Don't want to probe your radiator? The Fan-Thom II comes with a threaded thermostat that screws into the engine block or manifold for a professional installation. Thermostat thread size: 3/8"-18NPTF fitting.

#30102 - 200° On/185° Off

#30103 - 185° On/170° Off

WEATHERPROOF ELECTRIC FAN RELAY KITS

For the harsh conditions encountered off-road, these relay kits provide complete protection from the elements and ensure reliable and dependable performance. These kits utilize heavy duty waterproof relays, weatherproof circuit breaker covers and extreme condition weatherproof shrinkable crimp-on terminals.

#30130 - Weatherproof Electric Fan Relay

#30128 - Weatherproof Electric Fan Relay with 200° On/185° Off thermostat

#30129 - Weatherproof Electric Fan Relay with 185° On/170° Off thermostat

GM GEN III FAN RELAY KIT

#30106 - Fan relay kit with 205° On/190° Off thermostat for GM Gen-III engine. M10x1.5 thermostat thread size.

GM GEN III WATERPROOF FAN RELAY

#30127 - Weatherproof fan relay kit with 205° On/190° Off thermostat for GM Gen-III. M10x1.5 thermostat thread size.

PCM CONTROLLED FAN RELAY KIT

#30109 - PCM controlled fan relay kits contains the necessary length wire and pinouts for those wishing to control their fan operation using the vehicle's power control module rather than thermostatically.

#30133 - Weatherproof PCM controlled fan relay kit.

HIGH BEAM HEADLIGHT RELAY

Since the 4-headlight system was introduced in 1988 on GM pickups and Suburbans, owners of these vehicles have wondered why their low beams go off when the high beams are turned on? No good reason we can think of. These kits will increase the intensity and improve the spread pattern by keeping all four lights on when in high beam mode.

#30802 - For 1988-98 GM fullsize trucks and SUVs *

#30821 - For 1999-2002 GM fullsize trucks and SUVs**

#30822 - For 2003-2006 GM fullsize trucks and SUVs

#30823 - For 1998 and later Chevy S10 and GMC T15
(NO KITS FOR OTHER OEM BRANDS AVAILABLE)

*Note 1: 1988-98 GM trucks including trucks with low-beam daytime running lights.

**Note 2: 1999-2002 GM trucks including trucks with low beam daytime running lights. (Some '99 and later trucks wiring did not change. If your headlight wires are tan and green use kit #30802; if purple and yellow use kit #30821). For other GM applications contact our tech line.

- Note 3: Slight modifications may be necessary for some vehicles such as 88-91 Suburbans.

HALOGEN HEADLIGHT HARNESSSES

#30815 - For H-4 halogen bulbs *

#30816 - For 9004 and 9007 halogen bulbs

#30817 - For 9005 and 9006 halogen bulbs

To get maximum power from your headlights, it is recommended to have the shortest possible distance between the power source and the bulbs. Some factory headlight wiring is not designed to handle high power Halogen Headlights, especially when upgrading to a higher wattage. Running the power through the switch is an even worse situation. Resistance in small gauge wire or in the switch will lower the output at the lamp. Be Safe! Our headlight harnesses draw power directly from the battery, through a relay, to the headlights, providing full power to your H4 conversion headlights or Halogen sealed beams. They can also be used to relocate head-lamps to a remote location (to accommodate a snow plow, for example). They are made with TXL high temp wire, weather resistant 30-Amp fuse, and two 40-Amp weather resistant relays capable of handling up to 150 watts. #30815 and #30816 are for use on vehicles with a 2-headlight system using dual filament sealed beams or H-4 headlight conversions. #30817 is for use on vehicles with a 9005 and 9006 bulb on each side.

*Note: Vehicles using dual filament, halogen sealed beam or H4 conversion type headlights use kit #30815.

(Will not work on Toyota vehicles)

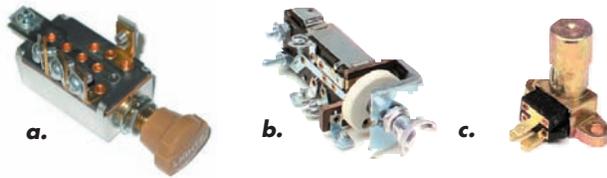
AUXILIARY LIGHT RELAY KIT

#30803 - Install extra driving or fog lights easily and properly with our Auxiliary Light Relay Kit. Switch can be wired to turn lights on per state law requirements: Low beams & auxiliary lights, Highbeams & auxiliary lights, Auxiliary light operation only. Complete kit includes lighted switch, wiring harness, 30 amp relay and terminals.

BRAKE LIGHT RELAY KIT

#30105 - When upgrading tail lights to the new higher wattage halogens, always use a relay. The Painless kit gives you everything you need to protect your wiring and switches.

**#30802****#30821****#30822****#30815****#30817****#30803****#30105**



a.

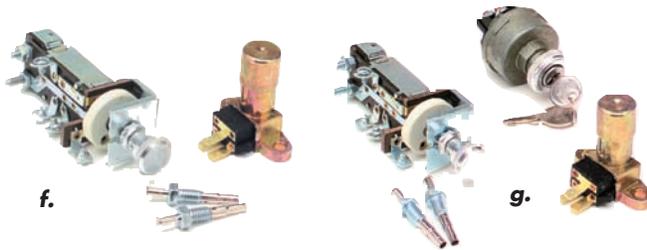
b.

c.



d.

e.



f.

g.



h.

i.

j.



k.

l.

m.



#80180



#80170

HEADLIGHT SWITCH W/PLASTIC KNOB a.

#80154 - Four position; off, park, low beam and high beam.

HEADLIGHT SWITCH W/ALUMINUM KNOB b.

#80151 - 3 position; dash light dim, no dome light control.

DIMMER SWITCH #80150 floor mounted dimmer c.

UNIVERSAL IGNITION SWITCH d.

#80153 - Dash mounted ignition switch w/two keys.

HEADLIGHT SWITCH W/GM STYLE BLACK KNOB e.

#80152 - 3 position; dash light dim and dome light control.

REPLACEMENT HEADLIGHT SWITCH KIT f.

#80120 - 3 position headlight switch, a floor mounted dimmer, and two GM style grounding door jam switches.

REPLACEMENT SWITCH KIT g.

#80121 - One 3 position headlight switch, one floor mounted dimmer, two GM style grounding door jam switches, and one universal ignition switch with keys.

PUSH BUTTON STARTER SWITCH h.

#80503 - With cover

UNIVERSAL WINDSHIELD WIPER SWITCH i.

#80173 - Three position switch operates 2-speed wiper motor with on-off and washer function.

HYDRAULIC BRAKE LIGHT SWITCH j.

#80171 - 1/8" Pipe thread fitting.

BRAKE LIGHT SWITCHES k.

#80172 - 2 Terminal switch #80176 - 4 Terminal switch

LOW PRESSURE BRAKE LIGHT SWITCH l.

#80174 - Comes complete w/plug-in pigtail. 1/8" pipe thread.

MASTER DISCONNECT SWITCH m.

#50710 - With mount plate #80140 - Switch only

MAGNETIC DOOR JAMB SWITCH KIT

Turn dome lights on and off without unsightly switches mounted on door frame. A magnet mounted on the door activates a reed switch mounted in the post for a clean look and smooth operation. Choose ground activation (ground wire to the dome light) or power activation (power wire to the dome light.)

#80180 - Magnetic Door Jamb Switch, Ground Activation

#80181 - Magnetic Door Jamb Switch, Power Activation

JAMB TAC WIRELESS CONNECTOR KITS

Jamb Tac keeps door jambs looking neat and free from wires. These heavy duty solid brass contacts handle up to 60 amps per circuit. Mounts anywhere in the doorjamb. Kits are complete with connectors, instructions and mounting template. (Note that opening the door breaks contact - your power windows, door locks or speakers will not operate with the door open).

#40021 - Jamb Tac 1-Wire Contact Kit

#40022 - Jamb Tac 2-Wire Contact Kit

#40023 - Jamb Tac 3-Wire Contact Kit

#40024 - Jamb Tac 4-Wire Contact Kit

#40025 - Jamb Tac 4-Wire Contact Kit with dome lamp switch

GM STYLE JAMB SWITCH

#80170

UNIVERSAL INTEGRATED TURN SIGNAL KIT

#30120 - A common problem faced by rodders and kit car builders is where to mount the turn signal switch since many aftermarket steering columns are not designed to accommodate the necessary wiring and switches. Problem solved with this new Integrated Turn Signal Kit from Painless. The toggle switches for both turn signals and hazards can be mounted anywhere. Because the kit is designed to be an integrated system, turn signals will work in conjunction with brake lights.

COURTESY LIGHT KITS

#30702 - GM Kit Includes: Wires, doorjam switches and light sockets to install courtesy lights inside your vehicle. For 1967-72 GM and Chevy Trucks use Kit #30708.

#30710 - Universal Kit Includes: Wires and light sockets to install courtesy lights inside your vehicle.

GM STEERING COLUMN AND DIMMER SWITCH PIGTAIL KIT

#30805 - Original factory connectors to replace worn out or damaged connectors for early GM keyed steering columns. GM color-coded wires are ready to connect into your existing harness. Includes: two keyed ignition switch pigtails, one turn signal pigtail with two connectors; one dimmer switch pigtail. Wire length: 12 Inches.

GM COLUMN CONVERSION KIT

#30806 - All the plugs and terminals for your early GM keyed steering column in one kit. Contains two ignition switch connectors, two turn signal connectors and one dimmer switch connector and terminals for each.

FIBERGLASS BODY GROUND KIT

#40026 - For proper electrical grounding of any vehicles with fiberglass bodies.

JUNCTION BLOCK**NEW!**

#80112 - Two 10 gauge posts provide a perfect way to attach two large gauge wire connections.

WEATHERPACK CONNECTOR KIT

For use where rain, dust or other elements may affect electrical connections. Each kit includes a male and a female connector and the appropriate number of terminals.

NOTE: Accepts only 14-16 gauge wire.

#70401 - 1 Wire Kit (2pack) **#70404** - 4 Wire Kit

#70402 - 2 Wire Kit **#70406** - 6 Wire Kit

#70403 - 3 Wire Kit

QUICK CONNECT TERMINAL KITS

Make your own locking quick connect plugs easily and quickly. Each kit includes a male and a female connector and the appropriate number of terminals.

NOTE: Accepts only 14-20 gauge wire.

#40006 - 2 Wire kit **#40010** - 9 Wire kit

#40007 - 3 Wire kit **#40011** - 12 Wire kit

#40008 - 4 Wire kit **#40012** - 15 Wire kit

#40009 - 6 Wire kit

PAINLESS[®]

#30120



#30702



#30805



#30806



#40026

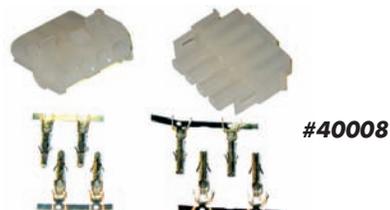


#80112



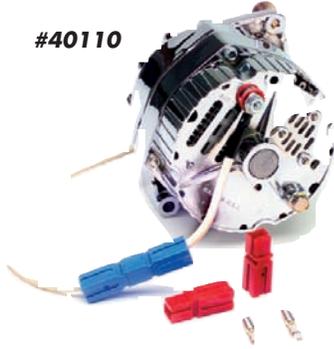
#70402

#70404



#40008

#40110



#30709



#30705



#30706



#40030



#30707



#40027



#30812



#30301



QUICK DISCONNECT ALTERNATOR LEAD

#40110 - Makes alternator swaps easy. Comes with mating plug and connector. Alternator side prewired. For use with alternators up to 65 amps.

HIGH AMP ALTERNATOR WIRE KIT

#30709 - For alternators that produce more than 65 amps, this add-on kit provides heavier gauge wiring with connectors to complete the high output alternator installation process quickly, easily and safely.

DELCO ALTERNATOR PIGTAIL

#30706 - A replacement pigtail using the factory original plug for the popular "Delcotron" alternator, pre-terminated with the ignition input wire and the voltage sensing wire.

"CS" STYLE GM ALTERNATOR PIGTAIL

#30707 - A replacement pigtail using the factory original plug for the late style or "CS" style GM external fan alternator. Resistor included.

"CS" 130D STYLE GM ALTERNATOR PIGTAIL

#30705 - Pigtail for CS 130D internal fan alternator. Resistor included.

ELECTRICAL SYSTEM SURGE PROTECTOR

#40030 - Voltage spikes can cause damage to various components in your vehicle's electrical system. This easy to install device clips the spikes at 14.5 volts to protect sensitive electrical accessories. Installs between positive and negative battery terminals

CERAMIC VOLTAGE REDUCER

#40027 - The perfect solution for a 6-volt heater or other 6-volt accessory that must be used with your 12-volt electrical system. Carries 4-amp maximum current, but can be run in parallel to increase load capacity.

Note: Not to be used with electrical gauges.

DURASPARK II HARNESS

#30812 - This harness allows for easy conversion from an old points-style Ford ignition to a modern DuraSpark II electronic ignition system. Requires DuraSpark II distributor and yellow or blue ignition module.

HEI PIGTAIL

#30809 - Replacement power pigtail for GM HEI distributor.

UNIVERSAL GAUGE HARNESS

If you want to keep your under-dash area organized or you think that you need to remove gauges from time to time then you need to install our universal gauge harness. It will connect all major brand gauges including Auto Meter and VDO and works with most dash layouts and sizes. Harness includes wiring for turn signals and high beam indicator light.

#30301 - For cable driven speedometer.

#30302 - For electric speedometer.

1/8" INDICATOR LIGHTS

#80200 - Amber #80201 - Red #80202 - Green

5/16" INDICATOR LIGHTS

#80203 - Amber #80204 - Red #80205 - Green #80206 - Blue

1/2" INDICATOR LIGHTS

#80208 - Amber #80209 - Red #80210 - Green #80211 - Blue

REMOTE MASTER DISCONNECTS

Whether complying with sanctioning body requirements, car show rules or simply for your vehicle's security, Painless has the right battery disconnect for you.

We offer two kits with 250 amp continuous duty solenoids for use with high amperage alternators. Kit #30204 uses a toggle switch to activate the solenoid. This switch can be hidden anywhere as a theft deterrent. Kit #30205 with Emergency Push Button is perfect for race applications as it allows installation of a large emergency push button in easy reach if you need to shut down your vehicle's electrical system in a hurry. Our #30206 kit with Mechanical Latching Solenoid is a simple and effective anti-theft deterrent for everyday vehicles. The 110 amp continuous duty solenoid is activated by an easy to hide momentary push button. No risk of accidentally draining your battery with this latching solenoid.

#30204 - Remote Master Disconnect Kit

#30205 - Remote Master Disconnect with Emergency Push Button

#30206 - Remote Master Disconnect with Mechanical Latching Solenoid

(Includes constant-hot wire for computer or radio presets)

250 AMP DUAL BATTERY CONTROL SYSTEM

This controller includes a three position switch to control the second battery through the operation of the solenoid. Switch position one isolates the second battery. Position two connects the battery while the ignition is on. Position three connects the second battery at all times. Kit includes solenoid, switch, preterminated wire/connectors, fuse holder, fuse and mounting hardware. For systems exposed to the elements, such as marine, use kit #40103

#40102 - 250 Amp Dual Battery Controller

#40103 - 250 Amp Weatherproof Dual Battery controller

BATTERY CABLE KIT

#40100 - Only the highest quality components go into our remote battery cable kit. Comes complete with 15 feet of red #1 gauge positive battery cable and three feet of black #1 gauge battery cable, both with heavy duty battery terminals already installed. 133 strand copper cable with lightweight abrasion resistant insulation capable of handling over 250 amps. Kit includes side post adapters and high amp crimp ring terminals.

REMOTE MOUNT BATTERY CABLE KIT

#40105 - Allows both positive and negative cables to be attached to the engine for maximum starting current. These two 16 foot, #1 gauge cables help prevent voltage drop to the engine. Eliminates the need for additional heavy cable connections between the engine and frame.

REMOTE BATTERY JUNCTION KIT**NEW!**

#40106 - A through-bulkhead terminal with one positive (red) and one negative (black) 3/8" connector stud for battery cables.

SAFETY CHARGE WIRE KIT**NEW!**

#30711 - Connects alternator charge wire to battery side of remote disconnect to prevent alternator run-on when shutoff is engaged. Contains 25' of 8-gauge wire and connectors

PAINLESS



V-Drive Shown

**High Amperage At Low RPM
A Must For Fuel Injection Applications**



Serpentine Drive Shown



POWERSTAR

POWERSTAR ALTERNATORS

Engineered specifically for Painless by Powermaster, these new PowerStar alternators are designed to solve the amperage needs of today's fuel injected engines. At start up these engines require higher amperage output than standard alternators are able to provide. Even other high amp alternators, which provide high output at upper rpms, do not adequately address low rpm requirements. PowerStar alternators feature:

- Maximum idle and low-rpm amperage
- Adjustable voltage from 13.5 to 18.5 volts. Perfect for 16 volt systems
- Instantaneous response to increased loads for stable power supply
- Simple one wire operation
- Front baffle for improved cosmetics

If you've experienced inadequate operation of accessories such as cooling fans, lights, etc. while cruising or driving at rpms under 2,000, PowerStar is your Painless solution.

SERPENTINE BELT APPLICATIONS

- # 51000 Chrome Finish
- # 51001 Black Finish
- # 51002 Natural Finish

V-BELT APPLICATIONS

- # 51020 Chrome Finish
- # 51021 Black Finish
- # 51022 Natural Finish

POWERSTAR HIGH OUTPUT STARTERS

Kick start the whole process with the new PowerStar starters with 160-lbs/ft of torque for guaranteed cranking power every time.

- # 51100 Ford Starter For 289, 302, 351W&C, auto or 5-speed manual, 3/4" offset mount
- # 51101 Chevy Starter 168 teeth with offset mount
- # 51102 Chevy Starter 153 teeth

POWERBRAID WIRE WRAP

Protect and clean up any harness installation with our braided wire wrap. Laterally split design closes around wire bundle without the need for additional taping or fasteners. Black only.

PRE-CUT LENGTHS

- #70910 - 1/8" Dia. 20 Feet
- #70901 - 1/4" Dia. 20 Feet
- #70902 - 1/2" Dia. 10 Feet
- #70903 - 3/4" Dia. 6 Feet
- #70916 - 1" Dia. 12 Feet
- #70904 - 2" Dia. 4 Feet

BULK ROLLS

- #70911 - 1/8" Dia. 250 Feet
- #70912 - 1/4" Dia. 200 Feet
- #70913 - 1/2" Dia. 150 Feet
- #70914 - 3/4" Dia. 100 Feet

**NEW!****COMPLETE POWERBRAID PACKAGES**

Everything you need in one box to professionally cover any chassis or engine harness installation with our tough, attractive wire wrap product. Black only.

Includes: PowerBraid, self vulcanizing tape, wire ties and shrink wrap.

CHASSIS HARNESS KIT

- #70920 - 1/8" Dia. 10 Feet
- 1/4" Dia. 60 Feet
- 1/2" Dia. 30 Feet
- 1" Dia. 6 Feet

FUEL INJECTION HARNESS KIT

- #70921 - 1/8" Dia. 23 Feet
- 1/4" Dia. 50 Feet
- 1/2" Dia. 12 Feet
- 3/4" Dia. 3 Feet
- 1" Dia. 8 Feet

POWERBRAID INSTALLATION TOOLS**NEW!**

The simple way to wrap wiring with PowerBraid. Ideal for professional installers.

#70940 - Tool for 1" PowerBraid only

#70941 - Tool Set for assorted sized PowerBraid





PAINLESS EXTREME CONDITIONS WIRE STOCK

When reliability and performance can't be compromised you want this wire - not the inexpensive primary wire you find in most parts stores. Stranded real copper core. Cross-linked polyethylene insulation for superior abrasion resistance. Withstands over 125°C (275°F). Exceeds OE specifications for under hood applications. Light weight, easy routing.



PERFORMANCE TERMINAL ASSORTMENT KIT

#40060 - 84 piece kit. You can trust Painless to give you only the finest American made quality terminals for the best connection. These terminals cost a little more, but are worth every penny.



WEATHERPROOF "EXTREME CONDITION" TERMINAL KIT

#40065 - 67 piece kit. The finest quality terminals money can buy. High grade copper, covered in special heat shrink that will not crack under high temperatures. Heat activated adhesive waterproofs the connection & relieves wire strain. Impervious to gas, antifreeze, battery acid, diesel fuel and saltwater. Easy crimp-on style. Exceeds all UL and CSA requirements.

8 GAUGE WIRE STOCK **NEW!**

COLOR 25 FT.

Red **#70690**

10 GAUGE WIRE STOCK

COLOR 25 FT.

Red **#70700**

Black **#70701**

12 GAUGE WIRE STOCK

COLOR 25 FT. 50 FT.

Red/Blk **#71710 #70710**

Orange **#71711 #70711**

Purple **#71712 #70712**

Red **#71714 #70714**

Brown **#71715 #70715**

Black **#71716 #70716**

14 GAUGE WIRE STOCK

COLOR 25 FT. 50 FT.

Red **#71800 #70800**

Black **#71801 #70801**

Orange **#71802 #70802**

Yellow **#71803 #70803**

Green **#71804 #70804**

Blue **#71805 #70805**

White **#71806 #70806**

Grey **#71807 #70807**

Lt. Blue **#71808 #70808**

Lt. Green **#71809 #70809**

Pink **#71810 #70810**

Brown **#71811 #70811**

Purple **#71812 #70812**

Tan **#71813 #70813**

Tan/White **#71814 #70814**

Grey/White **#71815 #70815**

Black/White **#71816 #70816**

Blue/Yellow **#71817 #70817**

Yellow/Black **#71818 #70818**

Yellow/White **#71819 #70819**

16 GAUGE WIRE STOCK

COLOR 25 FT. 50 FT.

Lt. Blue **#71830 #70830**

White **#71831 #70831**

Blue **#71832 #70832**

Green/Blk **#71833 #70833**

Green **#71834 #70834**

18 GAUGE WIRE STOCK

COLOR 25 FT. 50 FT.

Lt. Blue/Blk **#71850 #70850**

Purple/Blk **#71851 #70851**

Purple/White **#71852 #70852**

Red/White **#71853 #70853**

Orange/Blk **#71854 #70854**

Green/Blk **#71855 #70855**

Red **#71858 #70858**

Blue **#71859 #70859**

Lt. Blue **#71860 #70860**

Brown **#71861 #70861**

Green **#71862 #70862**

Pink **#71863 #70863**

Orange **#71864 #70864**

Black/White **#71865 #70865**

Black **#71866 #70866**

Purple **#71867 #70867**

White **#71868 #70868**



PAINLESS LOGO T-SHIRTS

Top quality white with Painless Performance badge on front and large Painless Wiring logo on back.

Size	Part #	Price
Medium	90904W	\$11.95
Large	90905W	\$11.95
X-Large	90906W	\$11.95
XX-Large	90907W	\$13.95
XXX-Large	90908W	\$13.95

PAINLESS COMING & GOING T-SHIRTS

Top quality white with Painless panel truck; front on the front, the back on the back.

Size	Part #	Price
Small	90910	\$7.95
Medium	90911	\$7.95
Large	90912	\$7.95
X-Large	90913	\$7.95
XX-Large	90914	\$9.95

PAINLESS LOGO POLOS

Top quality great looking in black or white.

Size	Part #	Price
Small	90919	\$17.95
Medium	90920	\$17.95
Large	90921	\$17.95
X-Large	90922	\$17.95
XX-Large	90923	\$19.95
3X-Large	90924	\$20.95

PAINLESS BALL CAPS

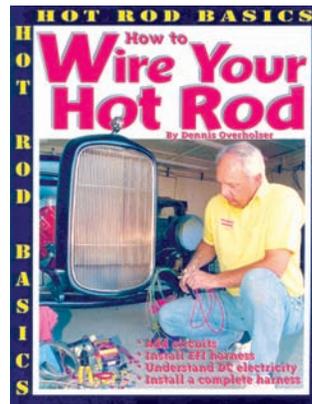
One size fits all. Tan or Black \$10.95

COMPRESSED PANEL T-SHIRT

#90909 - This is one T-Shirt you may never wear. Vacuum compressed into the shape of the famous Painless '36 Panel Truck, this is a keepsake you will probably want to display on your shelf instead of your closet. Just \$7.95, XL only.

HOW TO WIRE YOUR HOT ROD

#90405 - By Dennis Overholser, this is a new extension to his original Hot Rod Wiring book. \$17.95 plus \$6 shipping.



PAINLESS INSTALLATION MANUALS
 Installation manuals for all Painless harnesses are available at no cost as PDF files online at www.painlessperformance.com

ORDERING INFORMATION FOR ALL PRODUCTS

Order sportswear and books directly from Painless. Pay by Visa, Mastercard or Money Order. We do not ship C.O.D. Texas residents will be charged 8.25% sales tax. To order: Send us an email at painless@painlessperformance.com or call our customer service department at 1-888-350-6588. Written orders write us at: Painless Performance, 2501 Ludelle Street, Forth Worth, Texas, 76105

SHIPPING CHARGES

Shipping charges for all products based on actual charges from Fort Worth, Texas to your destination.

10101	21	30120	58	50002	32	50433	48	63010	18	66104	10	70851	63	71830	63	80211	59
10102	21	30127	55	50003	32	50506	44	63011	18	66105	10	70852	63	71831	63	80400	50
10103	27	30128	55	50101	33	50602	46	63020	18	66203	10	70853	63	71832	63	80401	50
10104	27	30129	55	50102	53	50603	44	63021	18	66204	10	70854	63	71833	63	80402	50
10105	31	30130	55	50103	54	50604	47	64023	40	66205	10	70855	63	71834	63	80403	50
10105	31	30131	53	50104	54	50710	57	64024	40	66501	10	70856	63	71850	63	80404	50
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10110	31	30201	53	50201	32	51000	61	64066	13	70103	34	70859	63	71853	63	80408	50
10111	31	30202	53	50202	32	51001	61	64070	13	70107	34	70860	63	71854	63	80409	50
10112	27	30203	53	50210	48	51002	61	64071	13	70113	34	70861	63	71855	63	80411	50
10117	28	30204	60	50211	48	51020	61	64075	13	70117	34	70862	63	71856	63	80412	50
10118	28	30205	60	50212	48	51021	61	64160	13	70120	34	70863	63	71857	63	80413	50
10120	22	30206	60	50213	48	51022	61	64165	13	70121	34	70864	63	71858	63	80414	50
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10130	22	30702	58	50303	44	51102	61	64171	13	70213	34	70867	63	71861	63	80421	43
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20102	24	30816	56	50321	43	60202	37	64460	15	70714	63	70940	62	80120	57	80512	50
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20104	24	30821	56	50330	49	60211	39	65000	16	70716	63	71710	63	80130	54	80514	50
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20107	25	30823	56	50332	49	60213	39	65010	17	70801	63	71712	63	80133	54	80530	50
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20122	26	40009	58	50336	49	60217	39	65018	17	70805	63	71716	63	80152	57	80534	50
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21001	24	40011	58	50404	45	60219	39	65021	17	70807	63	71801	63	80154	57	90904	64
30001	33	40012	58	50406	45	60220	39	65030	16	70808	63	71802	63	80170	57	90905	64
30002	34	40021	57	50408	45	60250	19	65031	16	70809	63	71803	63	80171	57	90906	64
30003	33	40022	57	50410	47	60255	19	65104	6	70810	63	71804	63	80172	57	90907	64
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30021	23	40025	57	50413	46	60505	38	65120	6	70813	63	71807	63	80175	40	90910	64
30100	55	40026	58	50414	46	60506	38	65121	6	70814	63	71808	63	80180	57	90911	64
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30109	55	40110	59	50431	48	63000	18	65252	7	70834	63	71818	63	80209	59		
30112	55	50001	32	50432	48	63001	18	66103	10	70850	63	71819	63	80210	59		

www.painlessperformance.com

PAINLESS®

PAINLESS PERFORMANCE PRODUCTS

DIVISION OF PERFECT PERFORMANCE PRODUCTS, LLC

2501 Ludelle Street, Fort Worth Texas 76105

Phone: 1.817.244.6212, Fax: 1.817.244.4024

Sales/Tech 1.800.423.9696