



PAINLESS Switch Panels

It's a lot more than circuits and wire! 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. You'll appreciate that we 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 installation time and virtually eliminating routing errors. That's why we say: With Painless, half the work is done for you.

ROCKER SWITCH PANELS WITH CIRCUIT BREAKERS

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



Description	Part No.
4 Switch Rocker Circuit Breaker Panel	50304
6 Switch Rocker Circuit Breaker Panel	50305
8 Switch Rocker Circuit Breaker Panel	50306
4 Switch Vertical Rocker Circuit Breaker Panel	50603

RACE CAR SWITCH PANELS

These switch control centers were designed with the features desired by most racers: • Heavyduty lightweight non-reflective housing mounts to roll bar with hose clamps. • Lighted rocker switches are color coded for quick visual reference. • All circuits are individually fused and easily accessible for quick testing and change. • All units come with 18' of high temp TXL wires using machine applied, vibration resistant, fully insulated terminals.



Description	Part No.
4 Switch Panel-Start+3 Fused Circuits That Light Up When On	50301
6 Switch Panel-Start+5 Fused Circuits That Light Up When On	50302
8 Switch Panel-Start+6 Fused Circuits That Light Up When On	50303
8 Switch Panel-Dash Mount Start+7 Non-Fused Lighted Circuits	50201
8 Switch Panel-Roll Bar Mount, Lighted Non-Fused Switches	50202
6 Switch Vertical Panel-Mounts Almost Anywhere	50506

RACE CAR HARNESS ASSEMBLY

Painless Race Car Harnesses are simple to install yet rugged, dependable and reliable. For basic race car use our 8-circuit universal kit #50001 is designed for extreme condition use, every circuit is protected with a fuse and a 30 amp relay. It comes wired for starter, ignition, water pump, fuel pump, lights and accessories.



Building a ProStreet, street legal drag car? The Painless ProStreet harness is the only way to go. Wired for street legal essentials such as brake lights, turn signals, headlights, etc., this 12-circuit kit makes wiring a race car a breeze. Just mount the prewired fuse block, route the wires and go.

Description	Part No.
8 Circuit Universal Race Car Harness	50001
12 Circuit Pro Street Harness	50002

DRAG RACE CAR WIRING KIT

NEW!

Complete 12 circuit drag race wiring kit. This new 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 harness making this the easiest and most complete way to wire a race car.



Part No. 50003

CONTOUR ROCKER SWITCH PANELS

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.

NEW!



Description	Part No.
4 Switch Panel	50320
6 Switch Panel	50321
8 Switch Panel	50322

PRO STOCK SWITCH CONTROL CENTER

6-switch Pro Stock panel which includes: Push button start, toggle ignition, fuel pump, water pump, fan and one accessory.

Part No. 50412



PRO STREET/STOCK SWITCH CONTROL CENTER

8-switch Pro Street panel which includes: Push button start, toggle ignition, fuel pump, fan, park/head lights, turn signals and horn.

Part No. 50410



PRO STREET FUSE BLOCK

Racing version of fuse block making any race car legal. Only task is terminating the circuit wire to the fuse block. Kit includes: 10-gauge power lead, mounting bracket, fuses, flashers, horn relay, terminal ends, fusible link, and step by step instructions.

Part No. 50101



UNIVERSAL FUEL PUMP RELAY

A relay will prevent voltage drops at the pump thus maintaining constant fuel pump pressure, and will prevent fuel pump amperage overloads 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.

Part No. 50102



RELAY BLOCK KITS

3-Pack Relay Bank

Comes with all 40 AMP relays, relay bases, one 50 AMP circuit breaker and wiring.

Part No. 30107

6-Pack Relay Bank

Comes with 40 AMP relays, relay bases, two 50 AMP Circuit breaker and wiring.

Part No. 30108



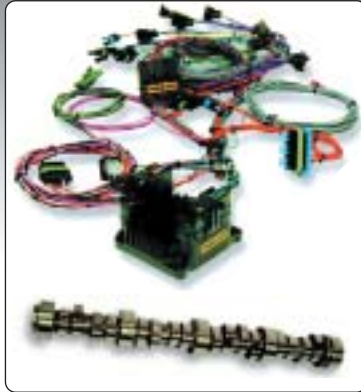
PAINLESS Wiring Harnesses

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PERFECT HI-RPM™ SYSTEM

These new packages include a performance camshaft, Painless fuel injection harness and a custom tuned PERFECT™ ECM for significant increases in horsepower and torque - all completely pre-programmed and matched for maximum horsepower and reliability with no user programming needed.



Application	Part No.
LS1	65206
LT-1	65205

PERFECT PERFORMANCE ENGINE MANAGEMENT SYSTEM



Each PERFECT Management System consists of a wiring harness and a fully programmed ECM which has been calibrated by Painless for maximum horsepower, torque and fuel economy when used in a factory original fuel injected engine. So if you're installing a crate engine or one right of the wrecking yard and don't want to have to make extensive modifications to the engine or the computer to make it run, the PERFECT System is the answer. Not only will it operate the engine without any modifications, it has been programmed to do so more efficiently than the stock computer. As a bonus, the PERFECT ECM can be reprogrammed should you make future modifications to the engine, such as a camshaft change.

Application	Part No.
GM Speed Density Tuned Port Engines	65104
GM LT-1 (Requires Coil Kit 60126)	65105
GM LS-1	65106
GM LS-2	65207
Ford 5.0L 1986-95	65120
Ford 5.0L 1996-97	65121
Ford 4.6L 1997-04 with coil-on plug	65123

TRANSMISSION TORQUE CONVERTER LOCK-UP KIT

Provides control of the lockup converter on an overdrive transmission with a carbureted engine. A vacuum controlled 4th gear pressure switch/lock up solenoid combination controls the lockup. Comes with everything to complete the job including a pan gasket.



Application	Part No.
700R4 GM transmission	60109
200-4R GM transmission	60110

REMOTE MASTER DISCONNECT w/EMERGENCY PUSH BUTTON

Be able to shut down your race car's electrical system quickly in an emergency with this Painless kit. Includes large emergency push button and rugged 250 amp continuous duty solenoid.

Part No. 30205



REMOTE MASTER DISCONNECT w/MECHANICAL LATCHING SOLENOID

Ideal for everyday vehicle application and is a simple and effective anti-theft deterrent. It uses a 110 amp continuous duty solenoid which is activated by an easy to hide momentary push button. No risk of accidentally draining your battery with this latching solenoid.

Part No. 30206



ELECTRIC FAN RELAYS

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.

Available in Waterproof option.



Application	Part No.	Waterproof
Fan-Thom (without Thermostat)	30101	30130
Fan-Thom II (200 On/185 Off) w/Thermostat	30102	30128
Fan-Thom II (185 On/170 Off) w/Thermostat	30103	30129
GM Gen III Relay Kit	30106	30127

CIRCUIT BOSS AUXILIARY FUSE BLOCK

Electrical accessories can send voltage spikes that can damage everything from headlight bulbs to onboard computers. Isolate add-on accessories and protect your OEM warranty.



Application	PART NO.
3 Circuit 2 Ignition Hot/1 Constant Hot	70103
7 Circuit 4 Ignition Hot/3 Constant Hot	70107
3 Circuit Waterproof 2 Ignition Hot/1 Constant Hot	70203
7 Circuit Waterproof 4 Ignition Hot/3 Constant Hot	70207

HOT SHOT

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. Easy to install.

Application	PART NO.
Hot Shot	30202
Hot Shot w/Engine Bump Switch	30201



REMOTE STARTER SOLENOID

Allows you to position the starter solenoid any place you need to in order to make your installation correct. Comes with plenty of extra wire and connections to do the job right.

Part No. 30203





PAINLESS Wiring Harnesses

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GM FUEL INJECTION WIRING HARNESS

Completely assembled using original GM connectors. GM color-coded high temp TXL wire is used on all circuits. Easy to follow instructions included w/each harness. Comes complete with throttle position sensor adapter, oil pressure adapter, distributor adapter, and California emissions adapters.



Application	PART NO.	Application	PART NO.
GM V8 Throttle Body, All Years (Except Vortec)	60101	96-99 5.0L, 5.7L Vortec	60212
85-89 GM V8 Tuned Port	60102	99-02 Camaro/Firebird LS1	60508
90-93 GM V8 Tuned Port	60103	GM LS2	60520
92-95 GM Vortec V6	60210	00-02 GM Gen III 4.8/5.3/6.0L	60219
GM Vortec V6 4.3L	60214	94-96 LT4	60502
GM 96-00 7.4L	60211	97-03 LS1/LS6	60506
99-up GM Vortec 4.8/5.3/6.0L	60217	02-04 LS1 Throttle by wire	60522

SPEED SENSOR

For late Tuned Port and early LT1 systems.

Part No. 60116

For early Tuned Port and all TBI systems.

Part No. 60115



FORD 5.0 FUEL INJECTION HARNESS

Harness reduced to a single, lightweight harness as compared to bulky, multiple OE harnesses. This harness uses original Ford connectors for reliability and ease of installation. Plugs directly into stock computer with no additional reprogramming required. For use with Mass Air Flow Systems.

Part No. 60510 86-95 5.0L



MUSTANG NITROUS HIDE-A-PANEL

This ashtray mount panel is ideal for 5.0L 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 width mounting hardware. Fits 1987-97 5.0L or 4.6L Mustangs.

Part No. 50422 Nitrous Hide-A-Panel

Part No. 50212 Mustang Hide-A-Panel



CARBON FIBER FORD MUSTANG POWER 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 87-93 5.0L Mustangs and are available with either lighted rocker switches or toggle switches with LEDs. Hide-A-Panels fit in the ashtray location of 87-97 5.0L Mustangs. Choose from a kit with four lighted rocker switches or a nitrous kit with three lighted rockers and one momentary switch to purge function.

Description	Part No.
Rocker Switch Mustang Power Panel	50430
Toggle Switch Mustang Power Panel	50431
Mustang Carbon Fiber Hide-A-Panel	50432
Mustang Carbon Fiber Nitrous Hide-A-Panel	50433



COMPLETE CHASSIS HARNESS ASSEMBLY

The quick, easy and Painless way to rewire just about any vehicle, whether a '32 Ford or a '78 Camaro. If you're running just the basics like headlights, taillights, turn signals, etc., use the 12 circuit kit. Thinking of adding power windows, door locks or other creature comforts? Use the 18 circuit kit. All Painless chassis harnesses come with a durable, OE-style fuse block with wiring already terminated so half the job is already done. Simply mount the fuse block, route the pre-printed, color-coded wire and go. The easiest to install wiring system on the market today.



Application	PART NO.
12 Circuit Universal GM Keyed Column	10101
12 Circuit Universal Non-GM Keyed Column	10102
18 Circuit Universal GM Keyed Column	10201
18 Circuit Universal Non-GM Keyed Column	10202
Trunk Mount Chassis Harness	
12 Circuit Universal GM Keyed Columnl	10120
18 Circuit Universal GM Keyed Column	10220

CUSTOM CHASSIS HARNESS ASSEMBLY

Painless custom harnesses use factory bulkhead connectors and OE plugs for a custom fit while retaining the quality features and easy to install design of our universal kits. They come complete with fuses, flashers, horn relay, tach lead, ballast resistor, maxi-fuse, terminal ends, wire ties, grommets - everything needed to do the job right.



Application	12 CIRCUIT	18 CIRCUIT
63-66 Chevy/GMC	10112	----
67-72 Chevy/GMC/PU	10206	----
73-87 Chevy/GMC/PU	10205	----
55-57 Chevy Muscle Cars	20107	20106
66-76 Chrysler Muscle Cars	10127	----
75-Up Jeep CJ	10106	----
74-Earlier Jeep CJ	10105	----
67-68 Camaro/Firebird	----	20101
69-74 GM Muscle Cars	----	20102
63-66 Chevy II, Nova	20110	----
Bronco, Landcruiser, Scout (All)	----	10107
66-77 Ford Bronco	10108	----
64-1/2-66 Mustang	20120	----

UNIVERSAL 12 CIRCUIT FORD MUSCLE CAR HARNESS

Designed for the 1966 - 1976 Ford muscle cars, this 12 circuit harness features Ford OEM color codes and our unique covered mini-fuse block.

NOTE: THIS HARNESS WILL NOT WORK ON THUNDERBIRDS

Part No. 10123



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 and works with most dash layouts and sizes.

Part No. 30301 For Cable driven speedometer

Part No. 30302 Electric speedometer



PAINLESS Accessories

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NEW!

POWERBRAID CHASSIS and ENGINE KITS

Everything you need in one box to professionally cover any chassis or engine harness with the tough and attractive Painless PowerBraid. Kits include wire ties and self-sealing tape.



DESCRIPTION	PART NO.
Chassis Harness Kit	70920
EFI Harness Kit	70921

NEW!

POWERBRAID WIRE WRAP

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



DESCRIPTION	PART NO.
1/4" Diameter, 20 Feet	70901
1/2" Diameter, 10 Feet	70902
3/4" Diameter, 6 Feet	70903
2" Diameter, 4 Feet	70904

BATTERY CABLE KIT

Kit comes complete with 15 feet of red #1 gauge positive cable and 3 feet of black #1 gauge cable, both with heavy duty battery terminals already installed capable of handling over 250 AMPS. Kit includes side post adapters and high AMP crimp ring terminals.

Part No. 40100



ATO-STYLE FUSE BLOCK

OEM style pre-wired fuse block compact size for easy mounting. Each circuit on the block is labeled and pre-terminated. Kit includes: mounting bracket, fuses, flashers, horn relay, terminal ends, and step by step installation instructions.

Part No. 30001 12 Circuit

Part No. 30003 18 Circuit



EXTREME CONDITION WIRE/BULK ROLLS

This is not the inexpensive primary wire you find in most parts stores, but this is not for your average installation either. Stranded copper core and cross-linked polyethylene insulation for superior abrasion resistance. Withstands over 275°F.

Available in:

10 Gauge 25 ft. Rolls

14, 16, 18 Gauge 50 ft. Rolls



POWERSTAR

POWERSTAR™ ALTERNATORS for Fuel Injection Applications

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.



DESCRIPTION	PART NO.
Chrome Alternator 70 -105 amp at idle	51000
Black Alternator	51001
Natural Alternator	51002

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. Increase the intensity and improve the spread pattern by keeping all 4 lights on when in high beam mode. Easy 10 minute installation.



Application	Part No.	Application	Part No.
88-98 FS Trucks & SUVs	30802	03-04 FS Trucks & SUVs	30822
99-02 FS Trucks & SUVs	30821	98-04 S10/S15	30823

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.

Part No. 80180 Ground Activation

Part No. 80181 Power Activation



LED

LED 1/8"	PART NO.	LED 5/16"	PART NO.	LED 1/2"	PART NO.
Amber	80200	Amber	80203	Amber	80208
Red	80201	Red	80204	Red	80209
Green	80202	Green	80205	Green	80210
		Blue	80206	Blue	80211



HEAVY DUTY TOGGLE SWITCH

Built to military specs this switch is by far the most reliable, bulletproof you can find. Internally sealed and designed so terminals are screwed directly to switch. Off/On, Single Pole/Single Throw, 20 Amp. Other models available.

Part No. 80502

AIRCRAFT SWITCH COVER

Designed for safety in the cockpit. Fits all shaft mounted toggles.

Part No. 80521

