

Edelbrock

NITROUS PRODUCTS

STREET RACING



FACILITIES

CHOOSE EDELBROCK FOR SUPERIOR NITROUS PERFORMANCE...

The Edelbrock name has been #1 in the domestic automotive aftermarket for 70 years. We focus on designing and manufacturing the absolute best in nitrous performance products. Check out the product-packed pages of this catalog and you'll see just how committed we are.

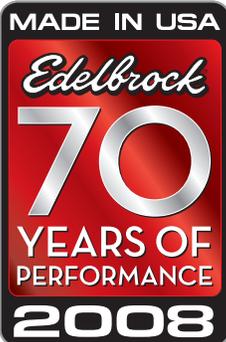


Photo courtesy of Michael Galimi

With your choice of E1, E2 or E3 nozzles, Edelbrock offers a wide variety of direct port systems to suit your nitrous needs. HP ranges from 50 to over 500!

Part of Edelbrock's R&D Facilities



8-time Pro-Street champion & record holder Pat Musi is working with Edelbrock to develop competition nitrous systems



EDELBROCK CORP. TORRANCE AND SAND FOUNDRY FACILITIES



Edelbrock

www.edelbrock.com

NITROUS PERFORMANCE PRODUCTS

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TOP NITROUS RACERS RELY ON EDELBROCK



Bill Glidden, NMCA Super Street champion, ran a quick 6.905 at 202.59 mph to win the Outlaw 10.5 class at the 2007 World Ford Challenge with Edelbrock Nitrous



8 time Pro Street champion, Pat Musi relies on three stages of Edelbrock Nitrous and Russell plumbing for his GTO



2 time PSCA True Street champion racer Manny Figueroa ran 7.94 on one stage using Edelbrock manifold, heads, QwikData, Nitrous progressive controller & Russell plumbing



Jimmy Barry's Mustang relies on 3 stages of Edelbrock nitrous with E3 nozzles to win multiple NMRA & Pro Mod events



Chuck Samuel's Ford Escort runs deep in the 6's in World Ford Challenge champion with help from 2 stages of Edelbrock nitrous with E2 nozzles



Multi-event winner John Schroeder uses an Edelbrock EFI dry system in NMCA Nostalgia Pro Street competition



photo: tmkphoto.com

Richie Stine is the quickest and fastest nitrous drag radial car in the world, running a 7.48 at over 190 mph



Bruce Hemminger, NMRA 5.0 Magazine Real Street Winner uses Edelbrock nitrous system and Russell plumbing



Jimmy Byrne's Edelbrock & Russell-equipped Mustang may be the world's quickest S/B Ford on drag radials, running 8.27 in NMCA Xtreme Street



Bob Curran, NMCA Xtreme Street world champion, uses an Edelbrock nitrous system with E3 nozzles, Edelbrock manifold and Russell plumbing



At the 2005 Hot Rod magazine Pump Gas Drags, Ken Close's '34 Ford was the "Fastest Street Car in America" running 8.72 with Edelbrock nitrous



Multi-event winner Bill Travato's Olds StarFire runs in the sevens in NMCA Xtreme Street with help from an Edelbrock intake and E3 direct port kit

Steve Johnson, Director of Motorsports

Edelbrock's Director of Motorsports, Steve Johnson, has over 25 years of experience tuning and working with nitrous oxide. He has raced Pro Modified and Pro Street where he was ranked in the top ten in Pro Modified, finishing fifth in 1993 and seventh in 1995. He will be on hand at many racing venues throughout the country, working in the pits with the racers and assisting them with nitrous tuning and other Edelbrock/Russell race products.



Custom plumbing and flow testing of nitrous products are available through Steve Johnson



Edelbrock has 5 display trailers offering expert advice & support at hundreds of events across the country



EDELBROCK NITROUS SYSTEMS

Edelbrock is known for innovative products, and our new Nitrous Systems are no exception. All Edelbrock Nitrous Systems are dyno-tested and calibrated to deliver accurate and safe horsepower gains with even distribution to each cylinder. Our nitrous calibrations are determined through dyno-testing, not simple mathematical formulas, which don't take into account real-world variables. Available from 20 to

500+ hp, Edelbrock Nitrous Systems and components are the quickest and easiest way to get large horsepower increases with a minimum of engine modifications and expense. With the Performer and Performer RPM Line of Nitrous Systems, you get a 50 to 250 horsepower increase at the flip of a switch with an installation time of approximately four hours. Performer RPM II systems include high-flow solenoids and stainless steel spray bars for 400+ hp capability. Victor Jr. racing systems produce serious horsepower with jetting supplied from 200 to 400+ horsepower. If you want to take it up to the extreme level we have the Edelbrock Series 1, Series 2 and Series 3 Direct-Port Nitrous Systems which yield a huge gain of up to 500+ horsepower! **Check out these advanced features:**

High-Flow Bottle Valve Included with All Systems

— Capable of Handling 500+ HP

Hinged Steel Red Powder Coated Bottle Brackets

— Rubber Insulators Included to Protect the Nitrous Bottle

Pre-Terminated Wiring Harness

— Longer Leads and Covered Fuse Holder for Better Corrosion Resistance

High-Quality, Powder Coated or Anodized Aluminum Nitrous Plates

— Work on Both Dual-Plane and Single-Plane Intakes

Detailed Installation Instructions

— Expert Technical Support, Toll-Free Tech Hotline and edelbrock.com

Precision-Machined Stainless Steel Nitrous and Fuel Solenoids

— Flow Matched to the Horsepower Range of Edelbrock Nitrous Systems

— Fully Repairable and Serviceable

— Durable Teflon® Plunger Withstands Seal Expansion

Precision CNC-Machined Stainless Steel Jets

— Won't Erode Like Brass Jets

EDELBROCK NITROUS SYSTEM CONFIGURATIONS AND FEATURES...

NITROUS SYSTEMS	PAGE	HP ADDED	INJECTOR/PLATE TYPE	SOLENOIDS (QTY)	NITROUS BOTTLE	BRACKETS
CARB/PLATE SYSTEMS						
Performer	4	50-75-100	Square-bore or Spread-bore	Performer (2)	10 lb. Powder Coated or Polished	Hinged Steel
Performer RPM	5	100-150-175-200-250	Square-bore	Performer RPM (2)	10 lb. Powder Coated or Polished	Hinged Steel
Performer RPM	5	100-150-175	Spread-bore	Performer RPM (2)	10 lb. Powder Coated or Polished	Hinged Steel
Performer RPM	5	100-150-200-250	4500 Series	Performer RPM (2)	10 lb. Powder Coated or Polished	Hinged Steel
Performer RPM Dual-Stage	6	75-250	Square-bore	Performer (2), Perf. RPM (2)	10 lb. Powder Coated	Hinged Steel
Performer RPM Dual-Stage	6	50-200	Spread-bore	Performer (2), Perf. RPM (2)	10 lb. Powder Coated	Hinged Steel
Performer RPM Dual-Quad	7	100-150-200-250	Square-bore or 4500 Series	Victor Pro (2), Perf. RPM (2)	10 lb. Powder Coated or Polished	Hinged Steel
Performer RPM II	8	200-400+	Square-bore or 4500 Series	Victor Pro (2)	10 lb. Powder Coated	Hinged Steel
Performer RPM II Dual-Stage	9	100-400+	Square-bore or 4500 Series	Victor Pro (2), Perf. RPM (2)	10 lb. Powder Coated	Hinged Steel
Victor Jr.	10	200-400+	Square-bore or 4500 Series	Performer RPM (4)	10 lb. Powder Coated	Hinged Steel
Victor Jr. Dual-Stage	11	100-500	Square-bore or 4500 Series	Performer RPM (4)	10 lb. Powder Coated	Hinged Steel
EFI SYSTEMS						
Performer RPM Pro-Flo	12	100-150	Edelbrock Pro-Flo only	Performer RPM (2)	10 lb. Powder Coated	Hinged Steel
Universal Performer EFI (wet & dry)	13	40-80	E1 or Dry (Nitrous-only) Nozzle	Performer (2)	10 lb. Powder Coated or Polished	Hinged Steel
Ford Performer EFI (dry)	14	50-150	Dry (Nitrous-only) Nozzle	Performer (2)	10 lb. Powder Coated	Hinged Steel
Ford Performer RPM 5.0L (plate)	15	150-300	Edelbrock 5.0L only	Performer RPM (2)	Bottle Kits Sold Separately	-
GM Performer EFI (wet & dry)	16	40-150	Dry (Nitrous-only) Nozzle	Performer (2)	10 lb. Powder Coated	Hinged Steel
Chrysler Hemi Performer EFI (wet)	16	40-60-80	E1 Nozzle	Performer (2)	10 lb. Powder Coated	Hinged Steel
Sport Compact Performer EFI (wet & dry)	17	40-75	E1 or Dry (Nitrous-only) Nozzle	Performer (2)	10 lb. Powder Coated	Hinged Steel
CONCEALED KIT						
Concealed Kit for Carbs/EFI	12	20-30	Dry (Nitrous-only) Nozzle	Performer (1)	12 oz. Powder Coated	-

ENGINE CONFIGURATION TIPS FOR EDELBROCK NITROUS SYSTEMS

1 When using an Edelbrock Nitrous System, extra fuel is required to make the added horsepower. We recommend Edelbrock fuel pumps on page 40, to supply the needed fuel for all Edelbrock Nitrous Systems. Call the Edelbrock Tech Line at 1-800-416-8628 for more information in determining your fuel system needs.

2 Because of the high cylinder pressures generated with nitrous systems, we recommend high-strength internal engine components such as forged pistons and crankshaft, high-performance connecting rods, etc. with power increases of 150 horsepower or more.

3 Since many standard ignition systems experience misfire at high cylinder pressures and/or high RPM, we recommend using a high-quality performance ignition system. All performance upgrades such as Edelbrock Performer and Performer RPM Power Packages, fresh air systems, cams, cylinder heads, etc. will work with the Performer and Performer RPM Nitrous Systems. Victor Jr. and direct port systems are for competition level engines only.

See the Tech Tips on page 43 for

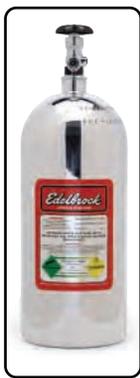
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SEE OUR COMPLETE LINE OF PRODUCTS!



CARB/PLATE NITROUS SYSTEMS

PERFORMER PLATE SYSTEMS FEATURE:

- Designed for carbureted V6s & V8s with dual-plane or single-plane manifolds
- Power increases from 50-100 HP
- Ideal for stock or crate engines with cast or hypereutectic pistons
- Simple to install — a low-profile 1/2" thick aluminum injector plate fits between the carb and the manifold
- Precision EDM machined spray bars for the best flow characteristics available
- Available with silver powder coated or polished aluminum 10-lb. bottle
- Performer Nitrous Systems include:
 - 10-lb. capacity nitrous bottle (shipped empty)
 - Performer nitrous and fuel solenoids
 - aircraft quality steel braided hose
 - spray bar plate
 - nitrous and gasoline filters
 - stainless steel jet selection
 - fittings • switches • brackets
 - hardware • owner's manual



Optional polished 10-lb. bottle

ENGINE MODIFICATIONS

	Recommended	Required
Premium Fuel	-	X
Ignition Retard	X	-
Upgraded Fuel System	X	-

Matching Edelbrock Parts

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Performer Plate Kit #70011

PERFORMER NITROUS PLATE SYSTEMS

SINGLE-STAGE: 50-100 HORSEPOWER

Edelbrock Nitrous Plate Systems give you the horsepower numbers you are looking for in a system that's easier to install than other systems on the market. Designed to be the best carb/plate kits available, they have more jets than other brands giving you greater tuneability and our spray bars are precision machined on an EDM machine instead of standard drilling, giving you the best flow characteristics available.

Performer single-stage nitrous systems are designed for use on carbureted V6 and V8 engines. Power increases can be adjusted from 50-100 horsepower. Edelbrock nitrous systems are simple to install with a 1/2" thick aluminum plate that fits between the carburetor and the intake manifold.

Performer Nitrous Plate Systems

	Silver Powder Coated	Polished Aluminum
Square-bore carbs (50-75-100 HP).....	#70001	#70031
Spread-bore (Q-Jet) carbs (50-75-100 HP).....	#70002	#70032



NITROUS PLATE KITS

Use Edelbrock Nitrous Plate Kits to upgrade existing nitrous systems. Nitrous plate kits include high-quality, powder coated aluminum nitrous plates, stainless steel jet assortment and stainless steel lines from plate to solenoids. Available for square-bore and spread-bore carburetors.

Performer Plate Kits

For square-bore carburetors (50-75-100 HP).....	#70011
For spread-bore (Q-Jet) carburetors (50-75-100 HP).....	#70012

CARB/PLATE NITROUS SYSTEMS

CARB/PLATE KITS
 EFI KITS
 DIRECT PORT KITS
 ACCESSORIES
 BOTTLES & KITS
 GAUGES
 ELECTRICAL
 FITTINGS & HOSES
 FUEL PUMPS & REGS
 DEALER
 TECH TIPS
 INDEX

PERFORMER RPM PLATE SYSTEMS FEATURE:

- Designed for carbureted V8s
- Power increases from 100-250 HP
- Simple to install — a low-profile 1/2" thick aluminum injector plate fits between the carb and the manifold
- Precision EDM machined spray bars for the best flow characteristics available
- Available with silver powder coated or polished aluminum 10-lb. bottle
- Performer RPM Nitrous Systems include:
 - 10-lb. capacity nitrous bottle (shipped empty)
 - Performer RPM nitrous and fuel solenoids
 - aircraft quality steel braided hose
 - spray bar plate • nitrous filter
 - stainless steel jet selection
 - fittings • switches • brackets
 - hardware • owner's manual

Performer RPM Nitrous Systems are also available with carb plates for Q-Jet and 4500 series carbs (shown here)



ENGINE MODIFICATIONS

Recommended Required

Single Plane Intake Manifold	X	
Premium Fuel	-	X
Race Fuel	X	-
Upgraded Fuel System	X	-
Upgraded Ignition System	X	-
Ignition Retard	-	X
Colder Spark Plugs	-	X
Forged Pistons	X	-
Upgraded/Aftermarket Rods & Crank	X	-



Performer RPM Square-Flange Upgrade Kit #70021

PERFORMER RPM NITROUS PLATE SYSTEMS

SINGLE-STAGE: 100-250 HORSEPOWER

Performer RPM single-stage nitrous systems are designed for use on carbureted V8s. The solenoids are larger than our Performer systems and power increases can be adjusted from 100-250 horsepower. Edelbrock Nitrous Systems are simple to install with a 1/2" thick aluminum plate that fits between the carburetor and the manifold.

Performer RPM Nitrous Plate Systems

	Silver Powder Coated	Polished Aluminum
Square-bore carbs (100-150-175-200-250 HP)	#70050	#70033
Spread-bore (Q-Jet) carbs (100-150-175 HP)	#70051	#70034
4500 Series carbs (100-150-200-250 HP)	#70053	#70035

100-250 Added Horsepower



Performer RPM Nitrous System #70050 includes 1/2" thick aluminum plate with 20-hole spray bars

UPGRADE KITS

PERFORMER TO PERFORMER RPM

Upgrade Kits include everything needed to upgrade Performer nitrous systems to a Performer RPM system including plates, solenoids, jets and all hardware.

Performer RPM Square-bore Upgrade Kit (100-150-175-200-250 HP)	#70021
Performer RPM Spread-bore (Q-Jet) Upgrade Kit (100-150-175 HP)	#70022

Matching Edelbrock Parts

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Blow-Down Tube	page 32

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CARB/PLATE NITROUS SYSTEMS

PERFORMER RPM DUAL-STAGE PLATE SYSTEMS FEATURE:

- Designed for carbureted V8s
- Power increases from 50-250 HP
- Add power in stages to soften the "hit" of the nitrous system
- Simple to install — a low-profile 1/2" thick aluminum injector plate fits between the carb and the manifold
- Precision EDM machined spray bars for the best flow characteristics available
- Powder coated aluminum nitrous bottle
- Performer RPM Nitrous Systems include:
 - 10-lb. capacity nitrous bottle (shipped empty)
 - Performer RPM nitrous and fuel solenoids
 - aircraft quality steel braided hose
 - spray bar plate • nitrous filter
 - stainless steel jet selection
 - fittings • switches • brackets
 - hardware • owner's manual

ENGINE MODIFICATIONS

	Recommended	Required
Single Plane Intake Manifold	X	-
Premium Fuel	-	X
Race Fuel	X	-
Upgraded Fuel System	X	-
Upgraded Ignition System	X	-
Ignition Retard	-	X
Colder Spark Plugs	-	X
Forged Pistons	X	-
Upgraded/Aftermarket Rods & Crank	X	-



Performer RPM Dual-Stage Upgrade Kit #70005

PERFORMER RPM NITROUS PLATE SYSTEMS

DUAL-STAGE: 50-250 HORSEPOWER

Performer RPM Dual-Stage Nitrous Systems are designed for those who want to add power in stages to soften the "hit" of the nitrous system. This is one of the best ways to control excessive tire spin or violent chassis reaction. Performer RPM Dual-Stage Systems allow you to adjust the first stage to supply 100-150 additional horsepower, then trigger the second stage for 150-250+ horsepower. They include all the high quality features of single stage Performer RPM systems with the additional solenoids and spray bar plate to add a second stage of nitrous to your engine.

Performer RPM Dual-Stage

- Square-bore carbs (75-250 HP)#70003
- Spread-bore (Q-jet) carbs (50-200 HP)#70004



Performer RPM Dual-Stage Nitrous System #70003 includes 1/2" thick aluminum plate with 20-hole spray bars

75-250 Added Horsepower

UPGRADE & PLATE KITS

PERFORMER RPM SINGLE- TO DUAL-STAGE UPGRADE KIT

Includes everything needed to upgrade from a Performer RPM Single-Stage nitrous system to a Performer RPM Dual-Stage system: Performer fuel and nitrous solenoids, lines, gaskets, studs, stainless steel jets and Y-fittings.

- Performer RPM Dual-Stage Upgrade Kit (75-250 HP)#70005

PERFORMER RPM NITROUS PLATE KITS

Plate kits include high-quality, powder coated aluminum nitrous plates, stainless steel jet assortment and stainless steel lines from plate to solenoids.

- For square-bore carburetors (100-250 HP)#70060
- For spread-bore (Q-Jet) carburetors (100-175 HP)#70061
- For 4500 Series carburetors (100-250 HP)#70063

**LISTINGS IN
RED ARE NEW!**

CARB/PLATE NITROUS SYSTEMS

CARB/PLATE KITS

EFI KITS

DIRECT PORT KITS

ACCESSORIES

BOTTLES & KITS

GAUGES

ELECTRICAL

FITTINGS & HOSES

FUEL PUMPS & REGS

DEALER

TECH TIPS

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PERFORMER RPM PLATE SYSTEMS FEATURE:

- Designed for carbureted V8s
- Power increases from 100-250 HP
- Simple to install — low-profile 1/2" thick aluminum injector plates fit between the carbs and the manifold
- Precision EDM machined spray bars for the best flow characteristics available
- Available with silver powder coated or polished aluminum 10-lb. bottle
- Performer RPM Nitrous Systems include:
 - 10-lb. capacity nitrous bottle (shipped empty)
 - Performer RPM nitrous and Victor Pro fuel solenoids
 - aircraft quality steel braided hose • spray bar plates
 - nitrous filter • stainless steel jet selection • fittings
 - switches • brackets • hardware • owner's manual

Performer RPM Nitrous Plate Systems #70092 includes two 1/2" thick aluminum plates



100-250 Added Horsepower

PERFORMER RPM NITROUS PLATE SYSTEMS DUAL-QUAD: 100-250 HORSEPOWER

Performer RPM single-stage nitrous systems are designed for use on carbureted V8s with dual-quad square-bore or 4500 series carburetors. The solenoids are larger than our Performer V8s systems and power increases can be adjusted from 100-250 horsepower. Edelbrock Nitrous Systems are simple to install with two 1/2" thick aluminum plates that fit between the carburetors and the manifold.

Matching Edelbrock Parts

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Performer RPM Dual-Quad

	Silver Powder Coated	Polished Aluminum
Square-bore carbs (100-250 HP).....	#70090	#70091
4500 Series carbs (100-250 HP).....	#70092	#70093

100-250 Added Horsepower

Performer RPM Nitrous Plate Systems #70090



Fuel gauge #73828



Time Delay Relay #71907



1-1/2" Liquid-Filled Nitrous Pressure Gauge #73801

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CARB/PLATE NITROUS SYSTEMS

PERFORMER RPM II NITROUS PLATE SYSTEMS FEATURE:

- Designed for carbureted V8s
- Power increases from 200-400+ hp
- Stainless steel spray bars for maximum durability
- Simple to install — a low-profile 1/2" thick aluminum injector plate fits between the carb and the manifold
- Precision EDM machined spray bars for the best flow characteristics available
- Powder coated aluminum nitrous bottle
- Performer RPM II Nitrous Systems include:
 - 10-lb. capacity nitrous bottle (shipped empty)
 - Victor Pro nitrous and fuel solenoids
 - aircraft quality steel braided hose
 - spray bar plate • nitrous filter
 - stainless steel jet selection
 - fittings • switches • brackets
 - hardware • owner's manual

ENGINE MODIFICATIONS

	Recommended	Required
Single Plane Intake Manifold	-	X
Premium Fuel	-	X
Race Fuel	X	-
Upgraded Fuel System	X	-
Upgraded Ignition System	X	-
Ignition Retard	-	X
Colder Spark Plugs	-	X
Forged Pistons	-	X
Upgraded/Aftermarket Rods & Crank	X	-

Matching Edelbrock Parts

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Blow-Down
Tube #72960

PERFORMER RPM II NITROUS PLATE SYSTEMS WITH STAINLESS STEEL SPRAY BARS

Performer RPM II Nitrous Carb/Plate Systems are available in single- or dual-stage configurations for power gains from 200 to 400+ horsepower. Using stainless steel spray bars rather than standard brass for maximum durability, these systems also utilize our Victor Pro fuel solenoids and Victor Pro bottom discharge nitrous solenoids for enhanced flow capacity.

SINGLE-STAGE: 200-400+ HORSEPOWER

Performer RPM II single-stage nitrous systems are designed for use on carbureted V8 engines. They feature Victor Pro fuel solenoids and Victor Pro bottom discharge nitrous solenoids for enhanced flow capacity. Power increases can be adjusted from 200-400+ horsepower. The 1/2" thick aluminum spray bar plate fits between the carburetor and the intake manifold and features stainless steel spray bars with more discharge holes than Performer RPM systems for more flow and superior atomization.

Performer RPM II Single-stage

	Silver Powder Coated
Square-bore carbs (200-400+ HP)	#70080
4500 Series carbs (200-400+ HP)	#70081



Performer RPM II Nitrous System #70080
includes 1/2" thick aluminum plate with 70-hole
stainless steel spray bars (90 holes for #70081)

UPGRADE KITS

PERFORMER RPM TO PERFORMER RPM II NITROUS PLATE

Includes everything to upgrade existing Performer RPM kits to Performer RPM II specs: Victor Pro solenoids, plate with stainless steel spray bars, and jets.

Square-bore carbs (200-400+ HP) converts #70050 or #70033	#70085
4500 Series carbs (200-400+ HP) converts #70053 or #70035	#70086

CARB/PLATE NITROUS SYSTEMS

CARB/PLATE KITS

EFI KITS

DIRECT PORT KITS

ACCESSORIES

BOTTLES & KITS

GAUGES

ELECTRICAL

FITTINGS & HOSES

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PERFORMER RPM II DUAL-STAGE PLATE SYSTEMS FEATURE:

- Designed for carbureted V8s
- Power increases from 100-400+ HP
- Add power in stages to soften the "hit" of the nitrous system
- Stainless steel spray bars for maximum durability
- Simple to install — a low-profile 1/2" thick aluminum injector plate fits between the carb and the manifold
- Precision EDM machined spray bars for the best flow characteristics available
- Performer RPM II Nitrous Systems include:
 - 10-lb. capacity nitrous bottle (shipped empty)
 - Victor Pro nitrous and fuel solenoids
 - Performer RPM nitrous and Victor Pro fuel solenoids
 - aircraft quality steel braided hose
 - spray bar plate • nitrous and gasoline filters
 - stainless steel jet selection • fittings
 - switches • brackets • hardware • owner's manual

ENGINE MODIFICATIONS

	Recommended	Required
Single Plane Intake Manifold	-	X
Premium Fuel	-	X
Race Fuel	X	-
Upgraded Fuel System	-	X
Upgraded Ignition System	X	-
Ignition Retard	-	X
Colder Spark Plugs	-	X
Forged Pistons	-	X
Upgraded/Aftermarket Rods & Crank	X	-

Matching Edelbrock Parts

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PERFORMER RPM II NITROUS PLATE SYSTEMS

WITH STAINLESS STEEL SPRAY BARS

Performer RPM II Nitrous Carb/Plate Systems are available in single- or dual-stage configurations for power gains from 100 to 400+ horsepower. Using stainless steel spray bars rather than standard brass for maximum durability, this dual-stage system utilizes our Performer RPM nitrous and fuel solenoids for the first stage and Victor Pro Fuel solenoid and Victor Pro bottom discharge nitrous solenoid for enhanced flow on the second stage.

DUAL-STAGE: 100-400+ HORSEPOWER

Performer RPM II Dual-Stage Nitrous Systems are designed for those who want to add power in stages to soften the "hit" of the nitrous system. This is one of the best ways to control excessive tire spin or violent chassis reaction. Performer RPM Dual-Stage Systems allow you to tune the first stage to supply 100-200 additional horsepower, then switch to the second stage for 200-400+ horsepower.

Performer RPM II Dual-Stage

Square-bore carbs (100-400+ HP)	Silver Powder Coated #70082
4500 Series carbs (100-400+ HP)	#70083



Performer RPM II Dual-Stage Nitrous System #70082 includes 1/2" thick aluminum plate with 70-hole stainless steel spray bars

UPGRADE KITS

PERFORMER RPM II SINGLE- TO DUAL-STAGE

Performer RPM II Dual-Stage Upgrade Kits allow you to upgrade to a Performer RPM II Dual-Stage System, which is capable of 100-400+ added horsepower in two stages. These kits include everything needed for installation including Performer RPM fuel and nitrous solenoids, lines, gaskets, studs and stainless steel jets.

Dual-Stage Upgrade Kit for Square-bore or 4500 Series carbs (100-400+ HP) converts #70080 & #70081#70087

VISIT Edelbrock.com/Auto/Nitrous TO SEE OUR COMPLETE LINE OF PRODUCTS!



CARB/PLATE NITROUS SYSTEMS

VICTOR JR. PLATE SYSTEMS FEATURE:

- Designed for carbureted V8s
- Power increases from 200-400+ HP
- Simple to install — a low-profile 11/16" thick billet aluminum injector plate fits between the carb and the manifold
- Precision EDM machined spray bars for the best flow characteristics available
- Powder coated aluminum nitrous bottle
- Victor Jr. Plate Systems include:
 - 10-lb. capacity nitrous bottle (shipped empty)
 - Performer RPM nitrous and fuel solenoids
 - aircraft quality steel braided hose
 - spray bar plate • nitrous filter
 - stainless steel jet selection • fittings
 - switches • brackets • hardware • owner's manual



200-400+ Added HP

Victor Jr. Nitrous Plate System #70055

ENGINE MODIFICATIONS

Recommended Required

	Recommended	Required
Single Plane Intake Manifold	-	X
Race Fuel	-	X
Upgraded Fuel System	-	X
Dedicated Fuel Pump	X	-
Upgraded Ignition System	-	X
Ignition Retard	-	X
Colder Spark Plugs	-	X
Forged Pistons	-	X
Upgraded/Aftermarket Rods & Crank	X	-

VICTOR JR. NITROUS PLATE SYSTEMS

SINGLE-STAGE: 200-400+ HORSEPOWER

Dyno tests on a 500-inch Chevy proved that even at 400 HP settings, EGTs varied less than 5% from cylinder-to-cylinder. Features include shorter spray bars allowing more liquid nitrous to be injected into the intake for more even distribution across the plenum, a more balanced air/fuel ratio and a quicker response time. With four nitrous and four fuel jets, the Edelbrock Victor Jr. Plate System has more tuning capabilities than any plate system currently available. This efficient design, with a billet aluminum plate that's only 11/16" thick, uses less nitrous than conventional plate systems at the same power levels. Kits include everything shown to the right including a 10-lb. nitrous bottle (shipped empty), stainless steel jet selection, hardware and owner's manual for a complete installation. Add billet aluminum Solenoid Brackets #72286 or #72287 (see page 26) for an even more professional looking installation.

Matching Edelbrock Parts

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Victor Jr. Nitrous Plate System

	Silver Powder Coated
Square-bore carbs (200-300-400+ HP)	#70056
4500 Series carbs (200-300-400+ HP)	#70055

UPGRADE & PLATE KITS

VICTOR JR. UPGRADE KITS

Victor Jr. Upgrade Kits allow you to upgrade from a Performer RPM Nitrous System or similar system from other manufacturers to a Victor Jr. Nitrous System, which is capable of 200-400+ added horsepower. These kits include everything needed for installation including Performer RPM fuel and nitrous solenoids, lines, gaskets, studs, stainless steel jets, 11/16" thick billet aluminum black anodized injection plate with intersecting "Dead Head" spray bars and owner's manual. This design has proven to produce the best nitrous and fuel distribution of any spray bar plate on the market, with adjustable power levels of 200, 300, and 400+ horsepower.

Square-bore carbs (200-400+ HP)	#70024
4500 Series carbs (200-400+ HP)	#70025

VICTOR JR. PLATE KITS

Victor Jr. Plate Kits are for those who already have a bottle kit and solenoids and want to add our unique spray bar plate. Plate Kits include only the spray bar plate, solenoid lines, gaskets, studs and stainless steel jets.

Square-bore carbs	#70014
4500 Series carbs.....	#70015



Upgrade Kit #70024

CARB/PLATE NITROUS SYSTEMS

LISTINGS IN RED ARE NEW!

CARB/PLATE KITS

EFI KITS

DIRECT PORT KITS

ACCESSORIES

BOTTLES & KITS

GAUGES

ELECTRICAL

FITTINGS & HOSES

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VICTOR JR. PLATE SYSTEMS FEATURE:

- Designed for carbureted V8s
- Power increases from 100-500+ HP
- Add power in stages to soften the "hit" of the nitrous system
- Simple to install — a low-profile 11/16" thick billet aluminum injector plate fits between the carb and the manifold
- Precision EDM machined spray bars for the best flow characteristics available
- Powder coated aluminum nitrous bottle
- Victor Jr. Plate Systems include:
 - 10-lb. capacity nitrous bottle (shipped empty)
 - Performer RPM nitrous and fuel solenoids
 - aircraft quality steel braided hose
 - spray bar plate • nitrous filter
 - stainless steel jet selection • fittings
 - switches • brackets • hardware • owner's manual

100-500+ Added HP



Victor Jr. Nitrous Plate Systems #70065

ENGINE MODIFICATIONS

Recommended Required

	Recommended	Required
Single Plane Intake Manifold	-	X
Race Fuel	-	X
Upgraded Fuel System	-	X
Dedicated Fuel Pump	X	-
Upgraded Ignition System	-	X
Ignition Retard	-	X
Colder Spark Plugs	-	X
Forged Pistons	-	X
Upgraded/Aftermarket Rods & Crank	X	-

VICTOR JR. NITROUS PLATE SYSTEMS

DUAL-STAGE: 100-500+ HORSEPOWER

Victor Jr. Dual-Stage Nitrous Systems are designed for those who want to add power in stages to soften the "hit" of the nitrous system. This is one of the best ways to control excessive tire spin or violent chassis reaction. Victor Jr. Dual-Stage Systems allow you to adjust the first stage to supply 100-150 additional horsepower, then trigger the second stage for 150-250+ hp. They include all the high quality features of single stage Victor Jr. systems but allow you to add a second stage of nitrous to your engine.

Matching Edelbrock Parts

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Victor Jr. Dual-Stage

	Silver Powder Coated
Square-bore carbs (100-500 HP)	#70066
4500 Series carbs (100-500 HP)	#70065

Two-Solenoid Bracket #72289 for square-flange carbs



Flow Test Tool #76506

UPGRADE & PLATE KITS

VICTOR JR. SINGLE- TO DUAL-STAGE UPGRADE KIT

Includes everything needed to upgrade from a Victor Jr. Single-Stage nitrous system to a Victor Jr. Dual-Stage system: Second stage nitrous relay, lines, and push buttons.

Square-bore carbs (100-500+ HP) converts #70056	#70068
4500 Series carbs (100-500+ HP) converts #70055	#70067

VISIT EDELBROCK.COM/AUTO/NITROUS TO SEE OUR COMPLETE LINE OF PRODUCTS!



EFI PLATE AND CONCEALED KITS

PERFORMER RPM PRO-FLO EFI SYSTEMS FEATURE:

- 10-lb. powder coated aluminum nitrous bottle (shipped empty)
- Nitrous and fuel solenoids
- Billet aluminum spray bar plate
- Quality steel braided hose
- Nitrous filter
- Stainless steel jets for longevity and tighter tolerances
- System and jetting capable of 100 to 150 additional horsepower
- Hardware and owner's manual for complete installation

ENGINE MODIFICATIONS

	Recommended	Required
Premium Fuel	-	X
Ignition Retard	X	-
Colder Spark Plugs	X	-

Matching Edelbrock Parts

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Remote Bottle Arming Valve	page 32

Stainless steel jets won't erode like typical brass



CONCEALED NITROUS KITS FEATURE:

- Nitrous solenoid
- Easy installation and quick removal
- Stainless steel jets for longevity and tighter tolerances
- Includes 12 oz. powder coated aluminum bottle (shipped empty)
- Hardware and owner's manual for complete installation

PERFORMER RPM PRO-FLO EFI SYSTEM

FOR USE WITH EDELBROCK PRO-FLO EFI SINGLE-STAGE: 100-150 HORSEPOWER

Designed for Edelbrock Performer RPM Pro-Flo EFI systems using our 4V air valve, these Nitrous Systems include a 10-lb. capacity nitrous bottle (shipped empty), nitrous and fuel solenoids, billet spray bar plate, aircraft quality steel braided hose, nitrous filter, stainless steel jet selection, aircraft quality fittings and all necessary switches, brackets, hardware and owner's manual for a complete installation.

- Pro-Flo 4V EFI Systems (100-150 HP)#70070
- Pro-Flo 4V EFI Plate Kit (includes stainless steel jets and lines from plate to solenoid)#70071



100-150 Horsepower

Nitrous System #70070

CONCEALED NITROUS KITS

These easily concealable kits are for carbureted and EFI applications. They can be installed in a matter of minutes and removed in even less, leaving no obvious signs of installation or use. Includes all necessary fittings, wiring, jets, solenoid and 12 oz. powder coated aluminum bottle for a complete installation.

- Concealed Nitrous Kits for carbureted applications (20-30 HP)#70027
- Concealed Nitrous Kits for EFI applications (20-30 HP)#70028



Concealed Nitrous Kit #70027 for carbureted applications

UNIVERSAL EFI NITROUS KITS

CARB/PLATE KITS

EFI KITS

DIRECT PORT KITS

ACCESSORIES

BOTTLES & KITS

GAUGES

ELECTRICAL

FITTINGS & HOSES

FUEL PUMPS & REGS

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UNIVERSAL PERFORMER EFI WET SYSTEM FEATURES:

- 10-lb. nitrous bottle (shipped empty) available polished or silver powder coated
- Nitrous solenoids
- Quality steel braided hose
- Nitrous filter
- Aircraft quality fittings
- Stainless steel jets for longevity and tighter tolerances
- System and jetting capable of 40 to 80 additional horsepower
- Hardware and owner's manual for complete installation

ENGINE MODIFICATIONS

	Recommended	Required
Premium Fuel	-	X
Ignition Retard	X	-
Upgraded Fuel System	X	-

Matching Edelbrock Parts

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Remote Bottle Arming Valve #72950

EFI NITROUS SYSTEMS

Performer EFI Nitrous Systems are the best way to get a major power increase in your fuel injected late-model street machine. These systems work with your stock ECU for a simple installation.

EFI WET SYSTEMS: 40-80 HORSEPOWER

"Wet" systems use a direct-port style nozzle to introduce nitrous and fuel into the intake runner. Includes nitrous pressure gauge.

UNIVERSAL PERFORMER EFI WET SYSTEMS

	Silver Powder Coated	Polished Aluminum
Fits any 4 or 6 cylinder engine (40, 60, 80 HP).....	#71820	#71008



40-80 Horsepower



Stainless steel jets don't erode like typical brass

Universal EFI Dry Nitrous System #71006

UNIVERSAL PERFORMER EFI DRY SYSTEMS

	Silver Powder Coated	Polished Aluminum
Fits any 4-, 6- and 8-cylinder engine with return style fuel system (50, 60, 70 HP)	#71000	#71006

DRY AND WET CONVERSION KITS

Conversion Kits includes nozzle, solenoid and nitrous regulator where applicable to change your system to either a wet or dry application.

Dry to Wet Nitrous System Conversion Kit	#71883
Wet to Dry Nitrous System Conversion Kit	#71884

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EFI NITROUS KITS

LISTINGS IN RED ARE NEW!



Nitrous System #70410 for 2005-08 Mustang GT

FORD EFI SYSTEMS: 50-150 HP

Performer EFI "Wet" systems use a direct-port style nozzle to introduce nitrous and fuel into the intake runner. "Dry" Nitrous Systems supply nitrous directly into the intake stream, and the extra fuel is supplied through the OE injectors by raising the fuel pressure or changing the duty cycle.

FORD EFI WET SYSTEMS

- 2005-08 Mustang GT (50, 100 HP)#70410
- 2005-08 Ford Mustang V6 (50, 75 HP)#70415

FORD EFI DRY SYSTEMS

- 1986-95 Mustang 5.0L & 1996-98 4.6L (80 HP)#70400
- 1986-95 Mustang 5.0L & 1996-98 4.6L (125, 150 HP)#70402
- 2003-04 Mustang Cobra SVT (80,100 HP)#70404
- 1999-04 Mustang 4.6L
- Includes a fuel pump voltage booster for additional fuel delivery (80 HP)#70405
- 1999-05 Ford F-150 SVT Lightning (60, 80 HP)#70403

PERFORMER EFI SYSTEMS FEATURE:

- 10-lb. powder coated aluminum nitrous bottle (shipped empty)
- Nitrous solenoids
- Quality steel braided hose
- Nitrous filter
- Aircraft quality fittings
- Stainless steel jets for longevity and tighter tolerances
- System and jetting capable of 50 to 150 additional horsepower
- Hardware and owner's manual for complete installation

80 Horsepower



Nitrous System #70405 for 1999-04 4.6L Mustang

ENGINE MODIFICATIONS

Recommended Required

	Recommended	Required
Premium Fuel	-	X
Ignition Retard	X	-
Upgraded Fuel System	X	-



Dry Nitrous Systems use a nitrous nozzle in the air intake plus added fuel from the original injectors to make more horsepower

EFI NITROUS UPGRADE KIT FOR FORD EFI

Upgrade Kit includes everything needed to upgrade Performer EFI nitrous systems including solenoids, jets and all hardware.

- Upgrade for the Ford 5.0/4.6L System #70400 (125, 150 HP)#70401

Matching Edelbrock Parts

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Nitrous Bottle Heater	page 31
Remote Bottle Arming Valve	page 32



EFI Dry Nitrous Kit #70400 installed on a 1994 Ford Mustang 5.0L



LISTINGS IN RED ARE NEW!

CARB/PLATE KITS

EFI KITS

DIRECT PORT KITS

ACCESSORIES

BOTTLES & KITS

GAUGES

ELECTRICAL

FITTINGS & HOSES

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PERFORMER RPM 5.0L FORD KITS FEATURE:

- 9/16" billet aluminum spray-bar plate
- Nitrous solenoids
- Quality steel braided hose
- Compatible with our manifolds #2945, #3821, #3884, #3887, #7126 or #7123
- Aircraft quality fittings
- Stainless steel jets for longevity and tighter tolerances
- System and jetting capable of 150 to 300 additional horsepower
- Hardware and owner's manual for complete installation

PERFORMER RPM 5.0L FORD NITROUS KIT

SINGLE-STAGE: 150-300 HORSEPOWER

These nitrous kits use a patent-pending, 9/16" thick, billet aluminum spray-bar plate between the upper and lower manifold of our Performer 5.0 #3821, Performer RPM 5.0 #7126, Performer RPM II 5.0 #7123, Victor 5.0 #2945 or Victor 5.8 #3887 for power increases of 150, 200 or 300 hp in 5.0L-based Ford engines. Each cylinder is individually tunable for maximum power. Comes with everything for an easy installation including owner's manual. Match with a Nitrous Bottle Kit (see pages 29-30) for a complete system.

- Performer RPM 5.0 Nitrous Kit for #3821, #3884 and #7126 (150-300 HP)#70057
- Performer RPM 5.0 Nitrous Kit for #7123 (150-300 HP)#70058
- Performer RPM 5.0 Nitrous Kit for #2945 and #3887 (150-300 HP)#70059



5.0L Nitrous Kits include a wood fiber laminate spacer

150-300 HP

ENGINE MODIFICATIONS

	Recommended	Required
Race Fuel	X	-
Premium Fuel	-	X
Upgraded Fuel System	-	X
Upgraded Ignition System	-	X
Ignition Retard	-	X
Colder Spark Plugs	-	X
Forged Pistons	-	X
Upgraded/Aftermarket Rods & Crank	X	-

Matching Edelbrock Parts

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Performer Nitrous System #70057

PATENT-PENDING



Nitrous System #70058 installed on manifold #7123 base

Manifold #71233 for Ford 5.0L

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EFI NITROUS KITS

LISTINGS IN RED ARE NEW!

PERFORMER EFI DRY SYSTEMS FEATURE:

- 10-lb. nitrous bottle (shipped empty)
- Nitrous solenoids
- Quality steel braided hose
- Nitrous filter
- Aircraft quality fittings
- Stainless steel jets for longevity and tighter tolerances
- System and jetting capable of 40 to 150 additional horsepower
- Hardware and owner's manual for complete installation

GM EFI DRY SYSTEMS: 50-150 HP

Performer EFI Dry Nitrous Systems supply nitrous directly into the intake stream. The extra fuel is supplied through the injectors by raising the pressure or changing the duty cycle, making them the safest and most reliable way to get power gains.

- C5 Corvette with LS1 or LS6 (80-100-125 HP)#70202
- 2004 Pontiac GTO (80-100-125 HP)#70203
- Camaro/Firebird LS1 (80-100-125 HP)#70200
- Camaro/Firebird LT1 (80 HP)#70205
- Camaro/Firebird LT1 (150 HP) **Includes a blow-down tube and booster fuel pump to support 150+ HP**.....#70207
- 2002-04 Chevy Cavalier with Ecotec 2.2L (50-60 HP)#70211

GM EFI WET SYSTEM: 40-60 HP

- 2005-07 Cobalt (40-60 HP)#70214

HEMI EFI WET SYSTEM: 40-60-80 HP

- 5.7L & 6.1L engines - sedans only (40-60-80 HP)#70216

ENGINE MODIFICATIONS

Recommended Required

Premium Fuel	-	X
Ignition Retard	X	-
Upgraded Fuel System	X	-



Dry Nitrous Systems use a nitrous nozzle in the air intake plus added fuel from the original injectors to make more horsepower

Matching Edelbrock Parts

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Fuel gauge #73828



150 ADDED HP

Performer Nitrous System #70207

All Edelbrock nitrous systems use precision CNC-machined stainless steel jets



Hinged bottle brackets are standard in all Edelbrock kits



EFI NITROUS UPGRADE KIT FOR GM EFI

Upgrade Kit includes everything needed to upgrade Performer EFI nitrous systems including solenoids, jets and all hardware.

- Upgrade for the LT1 Camaro/Firebird System #70205 (150 HP)#70206

SPORT COMPACT PERFORMER WET & DRY SYSTEMS FEATURE:

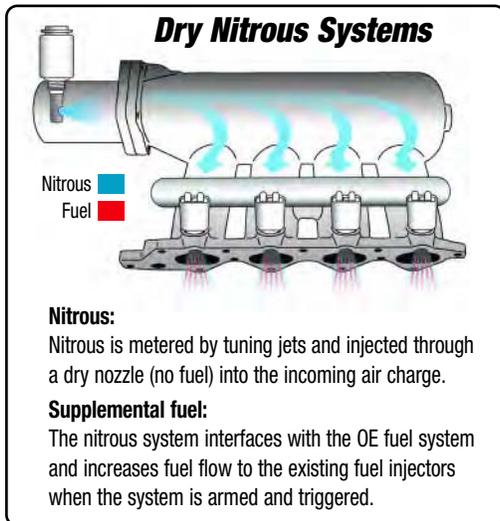
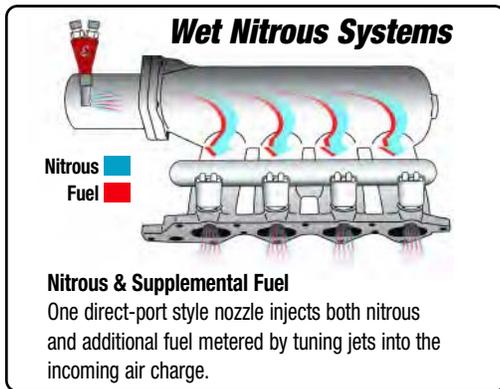
- 10-lb. nitrous bottle (shipped empty)
- Nitrous solenoids
- Nitrous filter
- Quality steel braided hose
- Nitrous and gas filters
- Stainless steel jets for longevity and tighter tolerances
- System and jetting capable of 40 to 75 additional horsepower
- Hardware and owner's manual for complete installation

SPORT COMPACT PERFORMER WET & DRY NITROUS SYSTEMS

40-75 ADDITIONAL HORSEPOWER AT THE WHEELS

Performer Nitrous Systems are the best way to get a major power increase in your Sport Compact. The nitrous system interfaces with the OE fuel system and increases fuel flow to the existing fuel injectors when the system is armed and triggered. The Nitrous Systems listed below include:

- 10-lb. nitrous bottle (shipped empty, powder coated silver finish unless noted otherwise)
- brackets
- aircraft quality steel braided hose
- nitrous filter
- jet selection
- aircraft quality fittings
- switches
- hardware and owner's manual for a complete install. Power increases are shown in parenthesis.



WET SYSTEMS: 40-70 HP

2002-08 Acura RSX, including Type S (40-70 HP)	#71001
2003-08 Honda Civic Si (40-70 HP)	#71001
2001-03 Honda Civic EX (40-60 HP)	#71002
2002-08 Subaru WRX (50 HP)	#71003

DRY SYSTEMS: 40-75 HP

2002-04 Chevy Cavalier with Ecotec 2.2L (50-60 HP)	#70211
2003-06 Nissan 350Z (50-75 HP)	#71007
2004-06 Infinity G35 (50-75 HP)	#71007

INTERCOOLER SPRAY BAR KITS

INTERCOOLER SPRAY BAR KITS FEATURES:

- Aluminum spray bar
- Stainless steel solenoid
- Stainless steel braided hose
- Anodized aluminum fittings
- All necessary wiring including switches for a complete installation



INTERCOOLER SPRAYBAR KITS

FOR TURBO/SUPERCHARGED VEHICLES

These systems purge N₂O or CO₂ on an air-to-air style intercooler of a turbocharged vehicle. This results in a colder, denser air charge increasing engine horsepower and lowering the chances of detonation. These systems include all necessary wiring, solenoid, switches, 1 foot stainless steel braided hose and brackets for a complete installation. Match with an Edelbrock Bottle Kit on page 29. Rings measure 5" x 7" and can be oriented to fit most intercoolers.

- Intercooler Spray Bar Kit (natural finish)#70072
- Intercooler Spray Bar Kit (polished finish).....#70073



Intercooler Spray Bar Kit #70072

Matching Edelbrock Parts

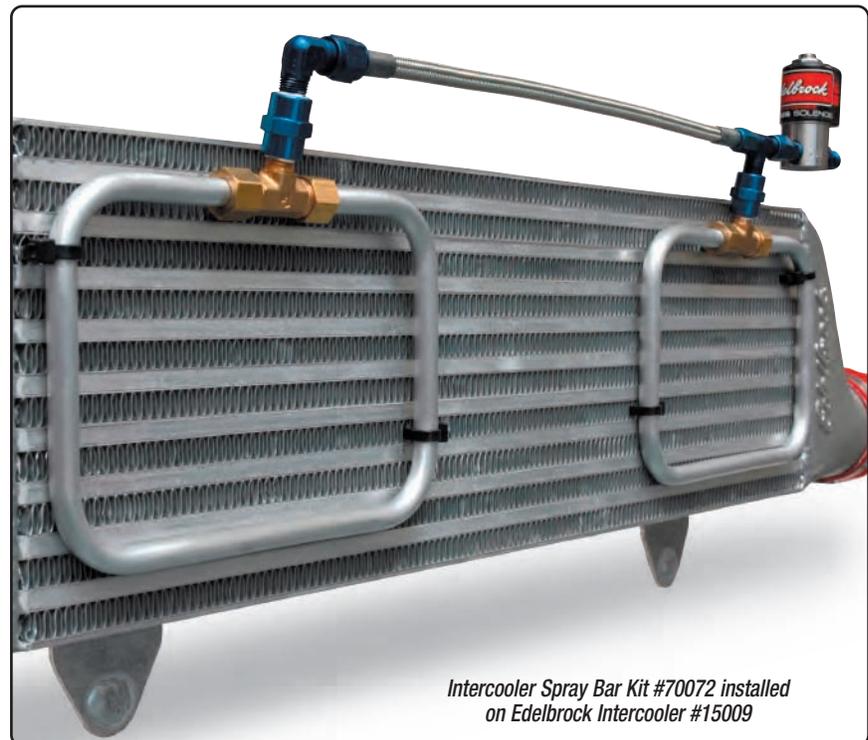
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Nitrous Bottle Kit #72305



Billet Brackets #72603



Intercooler Spray Bar Kit #70072 installed on Edelbrock Intercooler #15009

DIRECT PORT NITROUS KITS

CARB/PLATE KITS

EFI KITS

DIRECT PORT KITS

ACCESSORIES

BOTTLES & KITS

GAUGES

ELECTRICAL

FITTINGS & HOSES

FUEL PUMPS & REGS

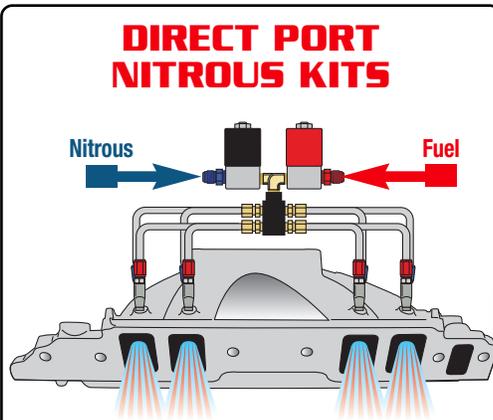
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EDELBROCK DIRECT PORT NITROUS KITS FEATURE:

- Victor Kits provide entry level power for street and strip applications
- Super Victor kits include high capacity solenoids for improved flow and greater power potential
- Four nozzle choices to fit your requirements
- Distribution blocks and hard lines included to fit tight engine compartments
- Stainless steel jets for longevity and tighter tolerances
- Expert racer support at many events



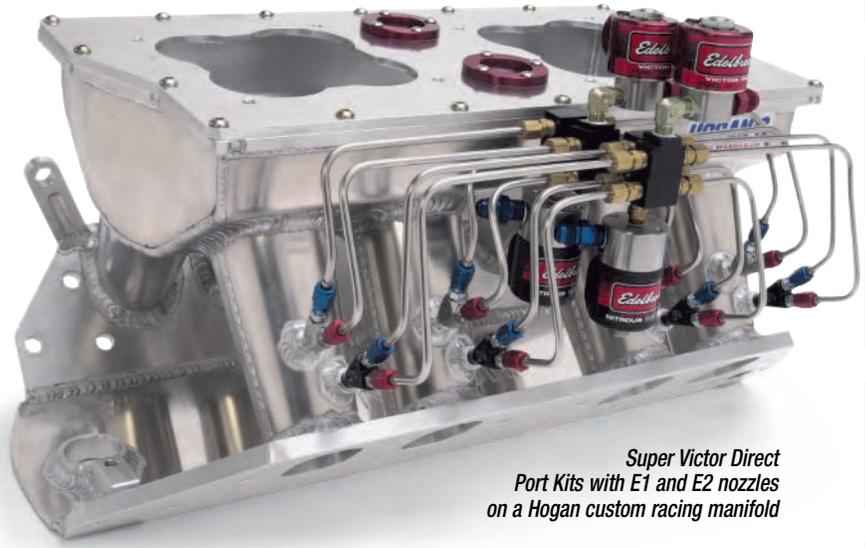
Nitrous & Supplemental Fuel

Each intake runner is equipped with its own direct-port style nozzle which injects both nitrous and additional fuel metered by tuning jets into the incoming air charge. This type of system is ideal for individual cylinder tuning and developing maximum horsepower.

EDELBROCK DIRECT PORT NITROUS KITS

RACE-WINNING PERFORMANCE WITH YOUR CHOICE OF FOUR NOZZLE DESIGNS

Our most sophisticated nitrous systems allow you to tune each individual cylinder for superior performance! Utilizing your choice of either Edelbrock E1, Edelbrock/Glidden E2 stainless steel, our unique E3 titanium "Straight-Shot" nozzles, or Stainless Steel Dry nozzles for EFI applications, these direct port kits are designed for serious competition with power increases of up to 500 horsepower or more. To build a new system, match these kits with an Edelbrock Bottle Kit (see page 29) for maximum race-level performance with the bottle/bracket combination you want. For racers with an existing system, our manifold Plumb Kits include everything to plumb a manifold only (no wiring harness, relays, or thread tap).



Super Victor Direct Port Kits with E1 and E2 nozzles on a Hogan custom racing manifold

EDELBROCK NITROUS NOZZLES ARE THE KEY TO SUPERIOR PERFORMANCE

Four different nozzle designs make Edelbrock Direct Port Nitrous Kits among the most versatile competition systems on the market today. Three designs use a 90° outlet configuration for ease of installation and plumbing, and our unique E3 titanium nozzle features a patented "Straight-Shot" configuration with an in-line discharge. With thread sizes of 1/8" NPT or 1/16" NPT, there's an Edelbrock nozzle for every racing application, whether you're building a new system or replacing outdated competitor's nozzles.

E1 SERIES:

- Black anodized lightweight aluminum
- Unique fuel passage design for extremely high atomization
- Direct bolt-on upgrade for other brands that use a 90° 1/8" NPT design



E2 SERIES:

- Durable stainless steel construction
- Designed with noted drag racer Billy Glidden
- Direct bolt-on upgrade for other brands that use a 90° 1/16" NPT design



E3 SERIES:

- Exclusive titanium construction
- "Straight-Shot" configuration produces excellent fuel atomization
- Direct upgrade for other brands that use a 1/16" NPT "annular discharge" design



SS DRY SERIES:

- Durable stainless steel construction
- Nitrous only nozzle for use with Electronic Fuel Injection
- Direct upgrade for other brands that use a 90° 1/16" NPT "dry" design



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DIRECT PORT NITROUS KITS

EDELBROCK DIRECT PORT NITROUS KITS CONFIGURATION & FEATURES...

PART #	DESCRIPTION	PAGE	HP ADDED	QTY. JETS INCLUDED	NOZZLES PGS. 27-28	SOLENOIDS (PAGE 26)		DISTRIBUTION BLOCKS	WIRING HARNESS & RELAYS	BOTTLE & BRACKETS PAGE 29
						NITROUS	FUEL			
#71841	Victor Direct Port Kit for V8 (E1)	21	100-150-200-250	40	E1 Aluminum, 1/8" NPT (8)	Performer (2)	Performer (2)	1/8" NPT 5-port (4)	Included	Sold Separately
#71840	Victor Direct Port Kit for V8 (E2)	21	100-150-200-250	40	E2 Stainless Steel, 1/16" NPT (8)	Performer (2)	Performer (2)	1/8" NPT 5-port (4)	Included	Sold Separately
#71846	Victor Direct Port Kit for 4-cyl. (E1)	21	50-75-100-125	28	E1 Aluminum, 1/8" NPT (4)	Performer (1)	Performer (1)	1/8" NPT 5-port (2)	Included	Sold Separately
#71845	Victor Direct Port Kit for 4-cyl. (E2)	21	50-75-100-125-150	40	E2 Stainless Steel, 1/16" NPT (4)	Performer (1)	Performer (1)	1/8" NPT 5-port (2)	Included	Sold Separately
#71831	Super Victor Direct Port Kit for V8 (E1)	23	200-300-400-500	56	E1 Aluminum, 1/8" NPT (8)	Victor Pro (2) Bottom Exit (2)	Victor Pro	1/8" NPT 5-port (4)	Included	Sold Separately
#71850	Super Victor Direct Port Kit for V8 (E2)	23	200-300-400-500	56	E2 Stainless Steel, 1/16" NPT (8)	Victor Pro (2) Bottom Exit (2)	Victor Pro	1/8" NPT 5-port (4)	Included	Sold Separately
#71852	Super Victor Direct Port Plumb Kit for V8 (E3)	23	200-300-400-500	56	E3 Titanium, 1/16" NPT (8)	Victor Pro (2) Bottom Exit (2)	Victor Pro	1/8" NPT 5-port (4)	Included	Sold Separately
#71836	Super Victor Direct Port Kit for 4-cyl. (E1)	23	100-150-200-250	28	E1 Aluminum, 1/8" NPT (4)	Victor Pro (1) Bottom Exit (1)	Victor Pro	1/8" NPT 5-port (4)	Included	Sold Separately
#71835	Super Victor Direct Port Kit for 4-cyl. (E2)	23	100-150-200-250	28	E2 Stainless Steel, 1/16" NPT (4)	Victor Pro (1) Bottom Exit (1)	Victor Pro	1/8" NPT 5-port (4)	Included	Sold Separately
#71851	Custom Manifold Plumb Kit for V8 (E2)	24	300	16	E2 Stainless Steel, 1/16" NPT (8)	Victor Pro (2) Bottom Exit (2)	Victor Pro	1/8" NPT 5-port (4)	-	Sold Separately
#71853	Custom Manifold Plumb Kit for V8 (E3)	24	300	16	E3 Titanium, 1/16" NPT (8)	Victor Pro (2) Bottom Exit (2)	Victor Pro	1/8" NPT 5-port (4)	-	Sold Separately
#71810	Super Victor EFI Dry Plumb Kit for V8 (SS Dry)	24	250-300	16	Stainless Steel Dry, 1/16" NPT (8)	Victor Pro (2)	-	1/8" NPT 5-port (2)	-	Sold Separately
#71813	2 Stage Super Victor EFI Dry Plumb Kit for V8 (E3)	24	250-300	16	E3 Titanium, 1/16" NPT (8)	Victor Pro (4)	-	1/8" NPT 5-port (4)	-	Sold Separately

Steve Johnson, Director of Motorsports, has had over 25 years of experience tuning and working with nitrous systems. He will be on hand at many racing venues throughout the country, working in the pits with the racers and assisting them with nitrous tuning and other Edelbrock/Russell race products.



DIRECT PORT NITROUS KITS

CARB/PLATE KITS

E1 KITS

DIRECT PORT KITS

ACCESSORIES

BOTTLES & KITS

GAUGES

ELECTRICAL

FITTINGS & HOSES

FUEL PUMPS & REGS

DEALER

TECH TIPS

INDEX

VICTOR NITROUS KITS FEATURE:

- Unique nozzle designs for better delivery of nitrous and fuel
- Billet distribution blocks with hard lines for many different tight fit options
- V8 kits include two Performer fuel solenoids and two Performer nitrous solenoids (4-cyl. kits include one each)
- V8 kits include 40 jets for gains of 100-150-200-250 horsepower
- 4-cylinder kits include jets for gains from 50 to 150 horsepower

ENGINE MODIFICATIONS FOR ALL DIRECT PORT NITROUS KITS

	Recommended	Required
Premium Fuel	-	X
Race Fuel	X	-
Upgraded Fuel System	-	X
Dedicated Fuel Pump	X	-
Upgraded Ignition System	-	X
Ignition Retard	-	X
Colder Spark Plugs	-	X
Forged Pistons	-	X
Upgraded/Aftermarket Rods & Crank	X	-

Matching Edelbrock Parts for all Direct Port Nitrous Kits

Description	Page No.
Nitrous Bottle Kits with Bracket and Line.....	page 29
Nitrous Bottle Heater.....	page 31
Nitrous and Fuel Pressure Gauges.....	page 33
Remote Electric Arming Valve Kit.....	page 32
Electric Fuel Pumps.....	page 40-41
Tube Bending Tool.....	page 28
Blow-Down Tube.....	page 32
Flow Test Tool.....	page 28

Bottle Kit #72305



Match any Victor or Super Victor Direct Port Kit with your choice of bottle kits

VICTOR DIRECT PORT NITROUS KIT

50-250 ADDED HORSEPOWER

The Victor Direct Port Nitrous Kit is an entry level kit designed for street/strip and competition. This kit features high-quality components with your choice of either Edelbrock E1 or Edelbrock/Glidden E2 stainless steel nitrous nozzles. **Match with an Edelbrock Bottle Kit for maximum race-level performance with the bottle/bracket combination you want.** Victor Kits include Edelbrock Performer solenoids and stainless jetting, precision CNC machined billet distribution blocks, plus all necessary fittings and electrical components for unmatched durability and quality.

	E1 Nozzle	E2 Nozzle
Victor V8 Direct Port (100-150-200-250 HP)	#71841	#71840
Victor 4-cyl. Direct Port (street/strip, 50-75-100-125 HP).....	#71846	
Victor 4-cyl. Direct Port (street/strip, 50-75-100-125-150 HP)		#71845



Victor V8 Direct Port Nitrous Kit #71840



Victor Direct Port Nitrous Kit installed

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DIRECT PORT NITROUS KITS

LISTINGS IN RED ARE NEW!

DIRECT PORT V8 RE-PLUMB KIT INCLUDES:

- Eight -3 AN 3/16" red tube nuts
- Sixteen 3/16" ferrules
- Sixteen 12" X 3/16" seamless stainless steel tubes
- Sixteen 3/16" compression fitting nuts
- Eight -3 AN 3/16" blue tube nuts
- Sixteen Russell Endura finish sleeve tubes

3/16" TUBE BENDING TOOL

Makes installation of those tough-to-bend direct port nitrous lines a breeze. Get a professional looking installation every time. Can also be used on other 3/16" hard lines.

Tube Bending Tool.....#76503



Use the Edelbrock Tube Bending Tool for a professional looking installation



DIRECT PORT V8 RE-PLUMB KIT

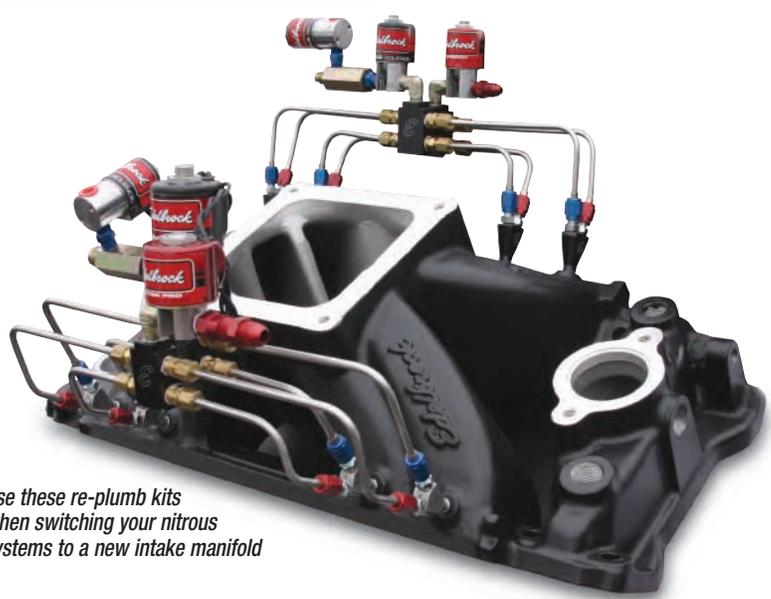


This kit is intended for racers who have a Victor Direct Port Kit, and want to transfer it to a different intake manifold. This kit provides everything needed without the hassle of having to buy each component individually.

Direct Port Re-Plumb Kit.....#71880



Cylinder Direct Port Re-Plumb Kit #71880



Use these re-plumb kits when switching your nitrous systems to a new intake manifold

DIRECT PORT 4-CYLINDER RE-PLUMB KIT INCLUDES:

- Four -3 AN 3/16" red tube nuts
- Eight 3/16" ferrules
- Eight 12" X 3/16" seamless stainless steel tubes
- Eight 3/16" compression fitting nuts
- Four -3 AN 3/16" blue tube nuts
- Eight Russell Endura finish sleeve tubes

DIRECT PORT 4-CYLINDER RE-PLUMB KIT



This kit is intended for racers who have a Victor Direct Port Kit, and want to transfer it to a different intake manifold. This kit provides everything needed without the hassle of having to buy each component individually.

Direct Port Plumb Kit#71881



Cylinder Direct Port Re-Plumb Kit #71881

**LISTINGS IN
RED ARE NEW!**

DIRECT PORT NITROUS KITS

CARB/PLATE KITS
E1 KITS
DIRECT PORT KITS
ACCESSORIES
BOTTLES & KITS
GAUGES
ELECTRICAL
FITTINGS & HOSES
FUEL PUMPS & REGS
DEALER
TECH TIPS
INDEX

SUPER VICTOR DIRECT PORT NITROUS KITS FEATURE:

- Choice of three unique nozzle designs for better nitrous and fuel delivery
- Victor Pro bottom exit nitrous solenoid for improved flow characteristics
- Billet distribution blocks with hard lines for many different tight fit options
- Stainless steel jets for longevity and tighter tolerances
- V8 kits include 8 each jets in 7 sizes for gains of 200-300-400-500 HP
- 4-cylinder kits include 4 jets in 7 sizes for gains of 100-150-200-250 horsepower

Matching Edelbrock Parts for all Direct Port Nitrous Kits

Description	Page No.
Nitrous Bottle Kits with Bracket and Line.....	page 29
Nitrous Bottle Heater.....	page 31
Nitrous and Fuel Pressure Gauges.....	page 33
Remote Electric Arming Valve Kit.....	page 32
Electric Fuel Pumps.....	page 40-41
Tube Bending Tool.....	page 28
Blow-Down Tube.....	page 32
Flow Test Tool.....	page 28



Flow Test
Tool #76506

SUPER VICTOR DIRECT PORT NITROUS KIT INCLUDES:

- Eight E3 titanium nozzles for better nitrous and fuel delivery
- Two Victor Pro nitrous solenoids
- Two Performer fuel solenoids
- Billet distribution blocks with hard lines for many different tight fit options

SUPER VICTOR DIRECT PORT NITROUS KIT

100-500+ ADDED HORSEPOWER

Our most sophisticated nitrous system allows you to tune each individual cylinder for superior performance! Utilizing your choice of either Edelbrock E1, Edelbrock/Glidden E2 stainless steel, or E3 "Straight-Shot" titanium nitrous nozzles, this is a direct port kit designed for serious competition with power increases of 200-500+ hp (V8 kits). They include Victor Pro Bottom Exit nitrous solenoids and Victor Pro fuel solenoids for improved flow characteristics. Match with an Edelbrock Bottle Kit for maximum race-level performance with the bottle/bracket combination you want. V8 kits include 56 stainless steel jets, 8 each of 7 sizes. Four cylinder kits include 28 jets, 4 each of 7 sizes.



Super Victor Kit #71852 with E3 titanium nozzles

	E1 Nozzle	E2 Nozzle	E3 Nozzle
Super Victor V8 Direct Port (200-300-400-500+ HP).....	#71831	#71850	#71852
Super Victor 4-cyl. Direct Port (100-150-200-250+ HP).....	#71836	#71835	

SUPER VICTOR DIRECT PORT NITROUS KIT

SUPPLIED WITH NO JETS FOR CUSTOM APPLICATIONS



Utilizing E3 "Straight-Shot" titanium nitrous nozzles, this is a direct port kit designed for racers who want a custom system utilizing their own jet map for horsepower increases up to 500 or more. It includes two Victor Pro nitrous solenoids and two Performer fuel solenoids. Match with an Edelbrock Bottle Kit for maximum race-level performance with the bottle/bracket combination you want. Jets not supplied, consult your nitrous expert for recommendations.



Super Victor Kit #71848

Super Victor V8 Direct Port.....	E3 Nozzle #71848
----------------------------------	---------------------

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DIRECT PORT NITROUS KITS

SUPER VICTOR EFI DIRECT PORT NITROUS KITS FEATURE:

- **Stainless Steel Dry nozzles or E3 titanium nozzles with a "Straight-Shot" outlet and unique tip design**
- **Victor Pro bottom exit nitrous solenoid for improved flow characteristics**
- **Billet distribution blocks with hard lines for many different tight fit options**
- **16 stainless steel jets for longevity and tighter tolerances (8 each of 2 sizes)**
- **Single stage system capable of adding 100 to 500 horsepower, includes jetting for 250 & 300 HP**
- **Two stage system capable of adding 100 to 1,000 horsepower, includes jetting for 250 & 300 HP**

Match our direct port plumb kits with Relay Assembly #72270 (page 35)



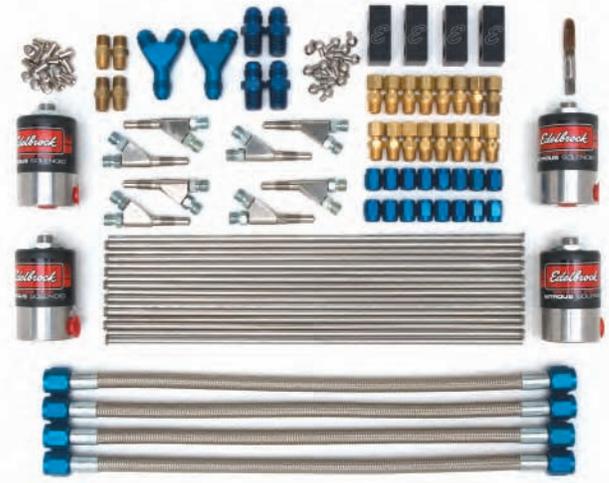
CUSTOM MANIFOLD PLUMB KITS FEATURE:

- **System capable of adding 200 to 500 horsepower, includes jetting for 300 HP**
- **Victor Pro bottom exit nitrous solenoids for improved flow characteristics**
- **1/16" NPT nozzle size for a compact installation**
- **Choice of E2 stainless steel or unique E3 titanium "Straight-Shot" nozzles for better nitrous and fuel delivery**
- **Billet distribution blocks with hard lines for many different tight fit options**
- **16 stainless steel jets for longevity and tighter tolerances (8 each of 2 sizes)**

SUPER VICTOR EFI DIRECT PORT PLUMB KITS

100-1,000 ADDED HP

The Super Victor EFI Single Stage and 2 Stage Direct Port Plumb Kits are designed for use on modified V-8 engines. Both systems include our Victor Pro Nitrous Solenoids, stainless steel lines, stainless steel jets and most hardware to complete the installation. The Super Victor Single Stage EFI kit #71810 features our unique stainless steel 90° Dry Nozzles, and EFI Plumb Kit #71813 features our patented E3 titanium nozzles for two stages of nitrous injection. Both of these kits rely on the ECM for fuel enrichment via the fuel injectors. Super Victor Single Stage EFI kit #71810 is capable of supplying an additional 100-500+HP, and 2 Stage Direct Port Plumb Kit #71813 is capable of 100 to 1,000+ HP. Both kits are supplied with jetting for 250HP and 300HP so any jetting over 300HP must be purchased separately. **To form a complete system, match with an Edelbrock Bottle Kit (page 29) and Relay Assembly #72270 (page 35).**



2 Stage Super Victor EFI Direct Port Plumb Kit #71813 with E3 titanium nozzles

- Super Victor EFI Direct Port Plumb Kit (V8) (250 & 300 HP)#71810**
- 2 Stage Super Victor EFI Direct Port Plumb Kit (V8) (250 & 300 HP)#71813**

CUSTOM MANIFOLD PLUMB KITS

200-500 ADDED HP (300 SUPPLIED)

Developed with racers in mind, this kit contains the very basics for a direct port nitrous system installation on an existing manifold. This kit is for racers who already have their wiring done, or who want to configure their wiring to custom specifications. This helps keep the cost down while still giving you all of the outstanding features of an Edelbrock Direct Port Nitrous Kit with either our stainless steel E2 nozzles or our unique E3 titanium "Straight-Shot" nozzles. **To form a complete system, match with an Edelbrock Bottle Kit (page 29) and Relay Assembly #72270 (page 35).**



Custom Manifold V8 Plumb Kit #71853 with E2 nozzles

- Custom Manifold V8 Plumb Kit (300 HP)#71851#71853**

**LISTINGS IN
RED ARE NEW!**

NITROUS ACCESSORIES



Tuner Jet
Kit #73003



MATCHING PARTS FOR EDELBROCK NITROUS KITS

Although our nitrous systems are among the most complete systems available, the accessories play a crucial role. In this section, you'll find replacement and rebuild parts for solenoids, bottles and nozzles. In addition to replacement parts, this section also includes accessories for those looking to enhance their existing system with helpful features like gauges, or performance enhancing features like controllers and switches.

TUNER JET KITS

Our CNC-machined stainless steel jets are available in Tuner Kits packaged in indexed, heavy-duty plastic cases. They include a variety of Edelbrock jets to fine tune your nitrous system for maximum performance.

Master Kit - 328 jets, 8 each of 41 sizes (.018" to .120")#73003

Race Kit - 216 jets, 8 each of 27 sizes (.028" to .120").....#73004

Street Kit - 80 jets, 4 each of 20 sizes (.014" to .059").....#73005

SUPER VICTOR DIRECT PORT JET PACK

This kit was developed for the Super Victor Direct Port Nitrous System and includes 56 jets, 8 each of .020", .024", .028", .032", .036", .040", and .044". Edelbrock CNC-machined stainless steel jets won't erode like brass jets and maintain precise dimensions for accurate and safe hp gains. Use this kit to fine tune your nitrous system for maximum performance. Will also work with most other brands of nitrous systems (except NX).

Super Victor Direct Port Jet Pack#73012



Super Victor Direct Port Jet
Pack #73012

REPLACEMENT JET KITS

Replacement Jet Kits contain all of the jet originally supplies with Edelbrock Plate Nitrous Kits.

for Performer square-bore

(3 steps - .038, .046, .053, .057, .065)#73001

for Performer RPM square-bore

(5 steps - .055, .061, .071, .075, .078, .082, .085, .089, .099, .102).....#73002

for Performer RPM spread-bore

(3 steps - .059, .062, .071, .075, .081, .086)#73010

for Performer RPM 4500 Series square-bore

(4 steps - .057, .063, .071, .075, .085, .089, .104, .108)#73011

TAPER FACE JETS

A full range of Edelbrock nitrous oxide and fuel taper face jets are available in virtually any size for your power and tuning requirements. Jets are available individually or in packs of 8. To order individually packed jets, add the jet size desired to #73 (#73014 is a .014" jet).

Individual Taper Face Jets (Undrilled Blank)#73013

Individual Taper Face Jets

(Last 3 digits indicate size, .014" thru .120").....#73014 thru #73120

Packs of 8 Taper Face Jets

(Last 2 digits indicate size, .018" thru .048").....#73218 thru #73248



Precision CNC-machined
stainless steel jets won't
erode like brass jets



INDIVIDUAL FUNNEL JETS

Designed for use with 1/8" tubing, Edelbrock funnel jets are available for small nitrous systems such as those used on motorcycles, snowmobiles, etc. These stainless steel jets won't erode like brass jets and maintain precise dimensions for accurate and safe horsepower gains. May be used with other manufacturer systems designed for 1/8" funnel jets. Jets are available individually. To order jets, add the jet size desired to #74 (#74011 is an .011" jet).

Funnel Jets Undrilled Blank#74000

Last 3 digits indicate size (.009" thru .050").....#74009 thru #74050

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NITROUS ACCESSORIES

LISTINGS IN RED ARE NEW!

Important Note: About Amp Draw

All ratings (listed to the right) are under a load condition (for example: 950 psi nitrous and a minimum of 6 psi fuel pressure). Please note that other manufacturers may list amp draw under a "no load" condition which is not realistic.



EDELBROCK SOLENOIDS

Designed for Edelbrock nitrous systems, these stainless steel solenoids have a very low amp draw. They feature a stainless steel base for corrosion resistance and tighter tolerances, a low current-consumption coil, a Teflon® plunger for reliability and longevity, and a powder coated coil cover for durability and appearance. The **Victor Pro nitrous solenoid** features a bottom outlet design that restricts flow much less than a standard design. A .115" internal metering orifice makes this our **highest flowing nitrous solenoid**. The **Victor Pro fuel solenoid** features a shorter body with a smaller diameter stainless steel base for use where space is limited.

Nitrous Solenoids - Amp Draw: 9.2 amps @ 12.6 volts and 11 amps @ 13.8 volts

Performer Nitrous Solenoid - up to 150 HP with 1/8" NPT inlet & outlet#72000

Performer RPM Nitrous Solenoid - 400+ HP with 1/4" NPT inlet & 1/8" NPT outlet.....#72001

Victor Pro "Bottom Exit" Nitrous Solenoid - 500+ HP with 1/4" NPT inlet & 1/8" NPT outlet#72002

Fuel Solenoids - Amp Draw: 1.29 amps @ 12.6 volts and 1.5 amps @ 13.8 volts

Performer Fuel Solenoid - up to 175 HP at 6 PSI with 1/8" NPT inlet & outlet#72050

Performer RPM Fuel Solenoid - 400+ HP at 6 PSI with 1/4" NPT inlet & 1/8" NPT outlet.....#72051

Victor Pro "Small Base" Fuel Solenoid - 500+ HP at 6 PSI with 1/8" NPT inlet & outlet#72052

ALCOHOL FUEL SOLENOID

Because it takes twice as much alcohol to make the same power as gasoline, nitrous racers need a solenoid with twice the flow capacity. This Alcohol Fuel Solenoid will support nitrous system flow requirements to 600+ HP, yet features a low amperage draw to ease the drain on your electrical system.

Alcohol Fuel Solenoid#72054

SOLENOID REBUILD KITS & COILS

Rebuild Kits include Teflon® plunger, O-ring, plunger spring, and stem wrench.

Replacement coils sold separately.

Solenoid Description	Rebuild Kits	Replacement Coils
Performer Nitrous Solenoid	#72200	#72204
Performer RPM Nitrous Solenoid	#72202	#72205
Victor Pro Nitrous Solenoid	#72219	#72217
Performer Fuel Solenoid	#72201	#72206
Performer RPM Fuel Solenoid	#72203	#72207
Victor Pro Fuel Solenoid	#72218	#72216



Two-Solenoid Bracket #72289 for square-flange carbs

BOLT-ON SOLENOID BRACKETS

Billet aluminum, CNC-machined plate mounts four- and two-solenoid applications. Two-Solenoid kits can be used with Performer and Performer RPM systems for a professional-looking installation. Match the four-solenoid brackets with our Performer RPM Dual-Stage, or Victor Jr. Plate System.

4-Solenoid Bracket for 4500 Series carbs	#72286
4-Solenoid Bracket for square-flange carbs	#72287
2-Solenoid Bracket for 4500 Series carbs	#72288
2-Solenoid Bracket for square-flange carbs	#72289
2-Solenoid Bracket for Q-Jet carbs	#72290

REPLACEMENT SOLENOID BRACKETS

for Performer RPM Nitrous/Fuel/Alcohol and Victor Pro Nitrous Solenoids.....#72275

for Performer Fuel and Nitrous Solenoids#72276

for Victor Pro Fuel Solenoids#72278

**LISTINGS IN
RED ARE NEW!**

NITROUS ACCESSORIES

PATENTED



E1 SERIES NOZZLES

Used in all Performer EFI "wet" nitrous systems, the patented Edelbrock E1 nozzle is one of the most advanced in the industry. With its unique fuel passage design, this nozzle gives extremely high atomization and is the key to the outstanding performance. Machined from light-weight aluminum and anodized black for durability, the E1 nozzle allows the use of up to 60 lbs. of fuel pressure for a more complete combustion process in the chamber that results in more horsepower. Specially designed fuel outlets enhance atomization, even at lower fuel pressures. Multiple radiuses are used at the nitrous outlet to give the least amount of turbulence and a more precise nitrous spray. The unique fuel delivery angle ensures a complete mixing of nitrous and fuel for optimum atomization. Edelbrock E1 nozzles are a direct bolt-on upgrade for other brands that use a 90° 1/8" NPT design.

	Single	8-pack
E1 Nozzle 90° (1/8" NPT, 1 only)	#72550	#72560



PATENTED



E2 SERIES NOZZLES

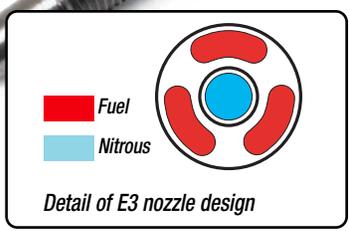
Designed with noted drag racer Billy Glidden, stainless steel Edelbrock/Glidden E2 Nitrous Nozzles are used in Victor and Super Victor Direct Port nitrous kits and are capable of as much as 500+ horsepower gains in V8 engines using a single-stage direct-port injection system. This exclusive, patented Edelbrock/Glidden design precisely atomizes the nitrous and fuel mixture for consistent and accurate power gains with 5 to 20 lbs. of fuel pressure. **Replace your outdated nozzles** with E2 nozzles, they're a direct bolt-on upgrade for other brands that use a 90° 1/16" NPT design.

	Single	8-pack
E2 Nozzle (1/16" NPT, 1 only)	#72552	#72562

E3 SERIES TITANIUM NOZZLES

The **Titanium Direct Port Nozzles**, otherwise known as the "E3", are the latest design for all out competition, producing the highest power output of any nozzle currently available. The "Straight-Shot" configuration and unique tip design produce excellent fuel atomization, and exclusive titanium construction makes this the lightest, strongest, and simply the best nozzle available. 1/16" NPT threads make this an easy upgrade for existing nitrous systems. Competitively priced, individual or 8-pack nozzles are available now!

	Single	8-pack
E3 Titanium Nozzle (1/16" NPT, 1 only)	#72553	#72563



Patented E1 Nozzles deliver superior atomization using multiple radiuses to give the least amount of turbulence and a more precise spray pattern

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CARB/PLATE KITS
EFI KITS
DIRECT PORT KITS
ACCESSORIES
BOTTLES & KITS
GAUGES
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NITROUS ACCESSORIES

Dry Nitrous Nozzle #72551



DRY EFI NOZZLES

Used in all Performer EFI "dry" nitrous systems, the Edelbrock dry nitrous nozzle is one of the most advanced in the industry. The unique nitrous passage design gives extremely high atomization and is the key to the outstanding performance. Specially designed nitrous outlet enhances atomization.

- Aluminum EFI 90° Nozzle** (1/16" NPT, 1 only)#72551
- Stainless Steel EFI 90° Nozzle** (1/16" NPT, 1 only)#72556



#72555 installed on cold air intake tube

NOZZLE INSTALLATION BUNGS

These aluminum bungs allow installation of Edelbrock nozzles in the intake tract of thin walled sheetmetal manifolds. Requires welding, drilling and tapping for installation.

- Nozzle Installation Bungs** (4 per package)#72555

NITROUS NOZZLE PIPE TAPS

Use these NPT taps to cut threads for custom installation of Edelbrock nitrous nozzles. Use Pipe Tap #76549 for Edelbrock E2, E3, and dry nozzles, #76559 is designed for E1 nozzles.

- 1/16" NPT Pipe Tap** (for E2, E3, and dry nozzles)#76549
- 1/8" NPT Pipe Tap** (for E1 nozzles)#76559



1/16" NPT Nitrous Nozzle Pipe Tap #76549



1/8" NPT Nitrous Nozzle Pipe Tap #76559

BILLET DISTRIBUTION BLOCKS

Use these high-quality distribution blocks to build a custom nitrous system. Machined from billet aluminum and anodized, they deliver even distribution and optimum flow. Inlets/outlets are 1/8" NPT.

- One-in, four-out Distribution Block** (black)#76574
- One-in, four-out Distribution Block** (blue, -6 for nitrous or fuel lines)#76538
- One-in, eight-out Distribution Block** (black)#76578
- One-in, six-out Distribution Block** (black)#76576



Use the Edelbrock Tube Bending Tool for a professional looking installation

3/16" TUBE BENDING TOOL

Makes installation of those tough-to-bend direct port nitrous lines a breeze. Get a professional looking installation every time. Can also be used on other 3/16" hard lines.

- Tube Bending Tool**#76503



Billet Distribution Block #76538



Edelbrock Flow Test Tool #76506 includes an assortment of easy-to-change calibration jets

EDELBROCK FLOW TEST TOOL

The only way to ensure that you have adequate fuel pressure for your nitrous system is to measure the "flowing pressure" using a flow test tool like our #76506. This tool features an easy-to-read fuel pressure gauge, a variety of jets to set the correct flow restriction, and easy attachment to your existing fuel line.

- Edelbrock Flow Test Tool**#76506

**LISTINGS IN
RED ARE NEW!**

BOTTLES & BOTTLE KITS



Match our Nitrous Bottle Kit with an Edselbrock Direct Port Nitrous Kit for maximum race-level performance with the bottle/bracket combination you want, right off the shelf!



Nitrous Bottle Kit #72332



Nitrous Bottle Kit #72324



Nitrous Bottle Kit #72305

CARBON FIBER NITROUS BOTTLE

Edselbrock's 12.5-lb. carbon fiber wrapped aluminum bottle has a larger storage capacity with less weight than standard aluminum 10-lb. bottles... about half the weight (empty). A high-quality 1-1/2" nitrous pressure gauge and Racer Blow-Off Adapter #72961 are included. The Edselbrock carbon fiber bottle is D.O.T. approved and comes with a CGA-approved bottle valve and a built-in siphon tube. **All nitrous bottles are shipped empty.**

Carbon Fiber 12.5-lb. Nitrous Bottle (23-3/4" x 6-5/8").....#72500



Carbon Fiber Bottle #72500

ALUMINUM NITROUS BOTTLES

Edselbrock nitrous bottles are made of aluminum alloy, are D.O.T. approved and include an Edselbrock high-flow CGA approved valve with a built-in siphon tube (unless noted otherwise) for consistent performance. In nine sizes to suit any application, Edselbrock bottles are polished to a high luster. They include a pressure venting system to prevent pressure increases beyond the safety level. **Note: All bottles are shipped empty.**

Bottle Capacity	Gauge Included	Dimensions (length x diameter)	Silver Powder Coated	Polished Aluminum
12-oz. unsiphoned	no	13-1/8" X 2-3/8"	#72472	#72470
1.3-lb.	no	12" X 3 1/4"	#72463	N/A
2-lb. unsiphoned	no	11-1/4" X 4-3/8"	#72360	#72460
2-lb.	no	11-1/4" X 4-3/8"	N/A	#72461
2-1/2 lb.	no	12-5/8" X 4-3/8"	#72302	N/A
5-lb.	no	17-5/8" X 5-1/4"	#72304	N/A
10-lb.	no	20" X 6-7/8"	#72300	#72400
10-lb.	yes	20" X 6-7/8"	#72301	#72401
15-lb.	no	26-3/4" X 6-7/8"	#72316	#72416
15-lb.	yes	26-3/4" X 6-7/8"	#72317	#72417
20-lb.	no	26-3/4" X 8"	#72318	N/A

BOTTLE KITS

These Nitrous Bottle Kits include an Edselbrock aluminum or carbon fiber bottle along with standard, quick-release or polished billet aluminum bottle brackets, plus a 14-foot GAN supply line and bottle adapter. Match one of these kits with a Direct Port Nitrous Kit (page 19-24) for a complete system. Go to page 31 for bottle bracket photos and complete descriptions.

Silver Powder Coated Nitrous Bottle Kits	10-lb. bottle	15-lb. bottle
With red powder coated hinged steel brackets	#72305	#72309
With quick-release brackets	#72324	#72332
With polished billet aluminum brackets	#72321	#72331
Polished Nitrous Bottle Kits	10-lb. bottle	15-lb. bottle
With red powder coated hinged steel brackets	#72306	#72307
With quick-release brackets	#72325	#72336
With polished billet aluminum brackets	#72323	#72335
Carbon Fiber Nitrous Bottle Kits - includes Racer Safety Blow-Off Adapter and Gauge	12.5-lb. bottle	
With quick-release brackets	#72308	
With polished billet aluminum brackets	#72340	

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BOTTLES & BOTTLE KITS

LISTINGS IN RED ARE NEW!



10-lb. Silver Powder Coated Bottle with Racer Safety Adapter & Liquid-filled Gauge #72311

15-lb. Silver Powder Coated Bottle with Racer Safety Adapter & Liquid-filled Gauge #72315

BOTTLES WITH RACER SAFETY ADAPTER AND GAUGE

These nitrous bottles come with the Racer Safety Blow-Off Adapter and a liquid-filled nitrous pressure gauge pre-installed. This is a popular item for the racing community since many associations require the use of a Racer Safety Adapter if the bottle is installed in the passenger compartment.

- 10-lb. Silver Powder Coated Bottle** with Racer Safety Adapter & Liquid-filled Gauge#72311
- 15-lb. Silver Powder Coated Bottle** with Racer Safety Adapter & Liquid-filled Gauge#72315

SHOW BOTTLE KITS

Get the appearance of a nitrous system without the high cost with the all new Edelbrock Show Bottle Kit. Perfect for show cars, these kits contain only the bottle, bracket and other trunk-related components, eliminating the costly functional elements of a working nitrous kit.

- Universal Nitrous Show Bottle Kit with Polished 10-lb bottle**#72850
- Universal Nitrous Show Bottle Kit with Carbon Fiber bottle**#72851



Universal Nitrous Show Bottle Kit #72851



Universal Nitrous Show Bottle Kit #72850

REPLACEMENT BILLET HANDWHEEL

This replacement handwheel fits our 5-lb., 10-lb., 15-lb., 20-lb., and carbon fiber nitrous bottle valves.

- Billet Handwheel**#72352



Billet Handwheel #72352

REPLACEMENT PRESSURE RELIEF DISKS

These Pressure Relief Disks include Safety Blow Off Adapters.

- for 12-oz./2-lb./2.5-lb. Bottles**#72410
- for 10-lb./12.5-lb./15-lb./20-lb. Bottles**#72411



Replacement Pressure Relief Disk #72410

REPLACEMENT BOTTLE VALVE

Replacement high-flow valve and heavy-duty siphon tube for Edelbrock nitrous bottles.

- Standard 12-oz. Bottle Valve**#72312
- Standard 2-lb. Bottle Valve**#72313
- Standard 10-lb. Bottle Valve with Siphon Tube**#72310
- Standard 15-lb. Bottle Valve with Siphon Tube**#72314



Bottle Valve #72310

**LISTINGS IN
RED ARE NEW!**

BOTTLES & BOTTLE KITS

NITROUS BOTTLE BRACKETS

BOTTLE SIZE	RED HINGED STEEL	GRAY HINGED STEEL	QUICK RELEASE	BILLET ALUMINUM (POLISHED)	ROLL-CAGE MOUNT (FOR BILLET BRACKETS ONLY)	1-3/4"	1-5/8"
12-oz. (2-5/16" dia)	—	—	—	#72665	—	—	—
2-lb. (4-3/8" dia)	—	—	—	#72664	#72614	#72615	#72615
2.5-lb. (4-3/8" dia)	—	—	—	#72664	#72614	#72615	#72615
5-lb. (3-1/4" dia)	#72609	—	—	#72607	—	—	—
10-lb. (7" dia)	#72600	#76204	#72608	#72603	#72614	#72615	#72615
12.5-lb. (6-5/8" dia) carbon fiber	—	—	#72621	#72623	#72614	#72615	#72615
15-lb. (7" dia)	#72600	#76204	#72605	#72603	#72614	#72615	#72615
20-lb. (8" dia)	#72319	—	—	—	—	—	—



HINGED STEEL BRACKETS

Powder coated and made of steel, these hinged brackets are designed for use with Edelbrock or other brands of 10- and 15-lb., 7" diameter aluminum bottles. Includes rubber isolators to protect the finish.

- Red Hinged Steel Brackets (for 5-lb. aluminum bottles).....#72609
- Red Hinged Steel Brackets (for 20-lb. aluminum bottles).....#72319
- Red Hinged Steel Brackets (for 10-lb. and 15-lb. aluminum bottles).....#72600
- Gunmetal Gray Hinged Steel Brackets (for 10-lb. and 15-lb. aluminum bottles).....#76204

QUICK RELEASE BRACKETS

Made from CNC-machined aluminum, these Edelbrock Quick Release Brackets are black powder coated for a unique high-tech look. Convenient thumb screw allows for quick bottle changes.

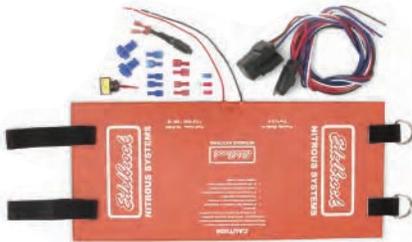
- Quick Release Brackets (for 10-lb. aluminum bottles).....#72608
- Quick Release Brackets (for 15-lb. aluminum bottles).....#72605
- Quick Release Brackets (for 12.5-lb. carbon fiber bottles).....#72621



POLISHED BILLET ALUMINUM BRACKETS

These great looking brackets are hinged for easy installation and removal. Roll Cage Mount Adapters are made of polished billet aluminum to match our billet bottle brackets. They work with brackets #72603, #72623 and #72664 to mount your bottle on your roll cage or chassis tubing.

- Polished Billet Brackets (for 12.5-lb. carbon fiber bottles).....#72623
- Polished Billet Brackets (for 10-lb. and 15-lb. aluminum bottles).....#72603
- Polished Billet Brackets (for 5-lb. aluminum bottles).....#72607
- Polished Billet Brackets (for 2-lb and 2.5-lb. aluminum bottles).....#72664
- Polished Billet Brackets (for 12-oz. bottles).....#72665
- 1-3/4" Roll Cage Mount Adapter.....#72614
- 1-5/8" Roll Cage Mount Adapter.....#72615



NITROUS BOTTLE HEATER

Consistent bottle pressure (900-950 psi) is an important element for proper operation of your nitrous system. The Edelbrock Nitrous Bottle Heater thermostatically raises the pressure when necessary by applying heat to the bottle. Comes with all necessary hardware and includes velcro straps for quick and easy bottle removal. **Note: Not for use on carbon fiber bottles.**

- Bottle Heater - 12 volt (for 10-lb. and 15-lb. bottles).....#72700



NITROUS BOTTLE BLANKET

This 1680 Denier nylon blanket helps to maintain consistent bottle pressure by keeping heat in the bottle when it's cold, and by protecting the bottle from direct sunlight and the possibility of over-pressurization.

- Bottle Blanket (for 10-lb. bottles).....#72705

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BOTTLES & BOTTLE KITS

Remote Electric Arming Valve Kit #72950



REMOTE ELECTRIC ARMING VALVE KIT

Allows you to open and close the bottle valve with the flip of a switch from inside the driver's compartment.

Remote Electric Arming Valve Kit#72950

1/4-TURN BALL VALVE KIT

Our 1/4-Turn Ball Valve Kit is designed as an emergency shut off to isolate the nitrous in the bottle from the engine compartment in case of an emergency. The valve is typically installed in the driver's compartment within reach of the driver. If an accident or fire occurs, the driver or emergency personnel need only turn the handle a 1/4 of a turn to shut off nitrous flow to the solenoids.

1/4-Turn Ball Valve Kit (.375 orifice, rated to 2,000 psi)#72952

BOTTLE NUT COMBO WRENCH

This is one handy item to keep with your bottle. Compatible with all nitrous brands, fits in your glove box, under your seat, or even in your pocket. This wrench features 3AN, 4AN, 6AN, and 1-1/4" bottle nut wrenches all in one package. Black anodized aluminum and laser etched for a sharp, clean look!



Bottle Nut Combo Wrench.....#76504

PURGE VALVE KITS

Keeps the supply of fresh liquid nitrous at the solenoid(s) for instant and repeatable nitrous injection. This purge kit bleeds accumulated nitrous vapor from the supply lines. Includes solenoid, activation switch, filter, aircraft-quality fittings and wiring.

4AN Purge Valve Kit#72176

6AN Purge Valve Kit#72178



1/4-Turn Ball Valve Kit #72952

BOTTLE NUT & WASHER

These kits contain a replacement -6AN or -4AN bottle nut and Teflon® washer to seal the bottle nut to the bottle valve.

4AN Bottle nut and Teflon® washer#76507

6AN Bottle nut and Teflon® washer#76505

Teflon® washer for 6AN & 4AN bottle nuts.....#77580



6AN Purge Valve Kit #72178

NITROUS BLOW-DOWN TUBE, RACER SAFETY BLOW-OFF ADAPTER & SAFETY VALVE

CNC-machined Racer Safety Blow-Off Adapter replaces the standard safety valve to allow for the use of a hard line blow-down tube like the Edelbrock Nitrous Blow-Down Tube. At 22" long, our blow-down tube is longer than most competitors' tubes for easier installation. #72901 is a direct replacement for the safety valves that come with all Edelbrock nitrous bottles (5-lb. and larger). A blow-down tube is an essential safety feature for hatchbacks or cars with the bottle mounted in the passenger compartment. The blow-down tube will safely vent the nitrous outside the car should the safety blow.

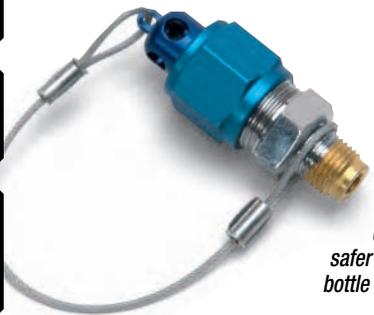
Nitrous Blow-Down Tube (22" long)#72960

Racer Safety Blow-Off Adapter (for use with Blow-Down Tube)#72961

Standard Replacement Safety Valve.....#72901



Nitrous Blow-Down Tube #72960



Racer Safety Blow-Off Adapter #72961 includes a diffuser cap for safer handling when bottle is not mounted

NITROUS GAUGES

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NITROUS & FUEL PRESSURE GAUGES

Pressure gauges are an important element in getting maximum performance and consistency from your nitrous system. The 1-1/2" nitrous gauges may be fitted onto a nitrous bottle or just in front of the nitrous solenoid. Braided stainless steel lines are required for all remote mounted nitrous gauges, see page 39 for more info. 2-5/8" gauges are illuminated and come with adapter fittings. **Liquid-filled gauges offer additional vibration dampening for durability and long-term accuracy. They are the best choice for competition or severe duty applications.**

- 1-1/2" nitrous gauges may be fitted onto a nitrous bottle or just in front of the nitrous solenoid
- Braided stainless steel lines required for all remote mounted nitrous gauges
- 2-5/8" gauges are illuminated and come with adapter fittings
- Liquid-filled gauges offer additional vibration dampening for durability and long-term accuracy



Nitrous Pressure Gauges, 0-1400 psi

1-1/2" Standard Gauge.....	#73800
1-1/2" Liquid-Filled Gauge	#73801
2-5/8" Standard Gauge.....	#73802

Fuel Pressure Gauges, 0-100 psi

1-1/2" Standard Gauge.....	#73825
1-1/2" Liquid-Filled Gauge	#73826
2-5/8" Standard Gauge.....	#73829
2-5/8" Liquid-Filled Gauge	#73830

Fuel Pressure Gauges, 0-15 psi

1-1/2" Standard Gauge.....	#73831
1-1/2" Liquid-Filled Gauge	#73832
2-5/8" Standard Gauge.....	#73827
2-5/8" Liquid-Filled Gauge	#73828



2-5/8" Fuel Pressure Gauge #73827



2-5/8" Nitrous Pressure Gauge #73802



2-5/8" Fuel Pressure Gauge #73829



2-5/8" Liquid-Filled Fuel Pressure Gauge #73828



2-5/8" Liquid-Filled Fuel Pressure Gauge #73830



1-1/2" Nitrous Pressure Gauge #73800



1-1/2" Fuel Pressure Gauge #73831



1-1/2" Fuel Pressure Gauge #73825



1-1/2" Liquid-Filled Nitrous Pressure Gauge #73801



1-1/2" Liquid-Filled Fuel Pressure Gauge #73832



1-1/2" Liquid-Filled Fuel Pressure Gauge #73826

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ELECTRICAL ACCESSORIES



Edelbrock Nitrous Bottle installed in a 1994 Ford Mustang 5.0L



Manny Figueroa won the first time out with the Edelbrock Progressive Nitrous Controller at the PSCA race in Las Vegas!



Top racers like Manny Figueroa and Bert Heck rely on the Edelbrock Nitrous Controller for race-winning performance— Heck uses an Edelbrock Nitrous System, Progressive Controller and QwikData data acquisition system



Top Racers like NMRA World Champion Mark Morales use Edelbrock Nitrous Systems and accessories

EDELBROCK ACCESSORIES FOR THE RACE TRACK

PROGRESSIVE NITROUS CONTROLLER

The Edelbrock Nitrous Controller offers complete control over your nitrous system in a powerful yet compact package. The system utilizes pulse width modulation to regulate the amount of Nitrous being delivered over a specified period of time by the nitrous and fuel solenoids. The digital display is easy to read and extremely precise, while the touch switch programming is exceptionally user-friendly. You have the ability to select and individually program the nitrous parameters that you need in order to optimize traction, control your chassis and ramp up your nitrous system safely. The end result leads to quicker ETs and lessens the risk of engine and chassis abuse. The compact controller is also great for automotive and motorcycle applications.

Progressive Nitrous Controller#71900

- Utilizes pulse width modulation to regulate the amount of nitrous being delivered over time by the solenoids
- Select and individually program nitrous parameters to optimize traction and chassis control
- Quicker ETs and less risk of engine and chassis abuse
- Full digital circuitry with easy to read LCD display
- Integrated battery voltage monitor
- +12-volt timer output for auxiliary output such as ignition retard or additional nitrous stages
- Single or dual ramp feature adjustable from 0 to 9.999 seconds
- Non-volatile data memory retains your settings
- Complete with wiring harness and manual
- Great for automotive and motorcycle applications
- Epoxy potted for durability



Progressive Nitrous Controller #71900

ELECTRICAL ACCESSORIES



Time Delay Relay #71907

DIGITAL DELAY TIMER

The Digital Delay Timer is used to activate a second or third stage of nitrous at adjustable pre-set intervals. Timer activation begins when the unit receives a 12V trigger signal, such as transbrake release, and is adjustable in increments of 1/10th of a second or less.

Digital Delay Timer#71907

- Used to activate a second or third stage of nitrous at adjustable preset intervals
- Timer activation begins when the unit receives a 12V trigger signal
- Use DIP switches to add or subtract time from 1/10th of a second to almost two minutes
- Great for Bracket Racing
- Can also be used to activate other electronic devices
- Lightweight, compact design allows for mounting almost anywhere



RPM Activation Switch #71905

RPM ACTIVATION SWITCH

This all-digital switch can activate and deactivate the nitrous system at any desired rpm. Adjustments are made with the touch of a button—no chips to hassle with!

RPM Activation Switch#71905

- All-digital switch can activate and deactivate the nitrous system at any desired rpm
- Adjustments are made with the touch of a button
- No chips to hassle with!
- Ensures consistent runs each time
- Additional measure of safety in over-rev situation
- More advanced than our competitors

30 Amp Relay Assembly #72270



TRACK TESTED, STREET SMART EDELBROCK ACCESSORIES

RELAY ASSEMBLY

Use the Edelbrock Relay Assembly as a replacement harness if you are transferring a nitrous system into a different vehicle or with many other devices which require a wide open throttle activation.

30 Amp Relay Assembly (includes switches, relay, wiring and connectors).....#72270

NITROUS POWER PANEL FOR 1987-97 MUSTANGS

Perfect for street or strip, this brushed aluminum power panel hides in the ashtray of your Mustang. It contains the highest quality switches available, plus high-temp TXL wire for maximum durability and performance. Fully fused and insulated.

Nitrous Power Panel (for 1987-97 Mustangs)#72283



Nitrous Power Panel for 1987-94 Mustangs #72283



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ELECTRICAL ACCESSORIES

LISTINGS IN RED ARE NEW!



Microswitch with universal bracket #72279



Microswitch with bracket #72281 for Holley 4500 series carbs



Microswitch with bracket #72285 for Barry Grant King Demon carbs



Pressure Deactivation Switch #72209



Fuel Pressure Safety Switch #72211



Covered Toggle Switch #72272



Push Button Switch #72274

MICROSWITCH AND BRACKET KITS

Designed especially for Edelbrock, Barry Grant and Holley carburetors, these kits include a snap-action microswitch, mounting hardware and a CNC-machined, red anodized billet aluminum bracket. #72279 comes with a bendable universal bracket for easy installation.

- Microswitch with Universal Bracket**#72279
- For Edelbrock Performer and Thunder Series AVS carburetors**#72280
- For Holley 4500 Series carburetors**#72281
- For Holley standard-flange carburetors without choke** (will not fit H.P. series)#72282
- For Barry Grant Race Demon carburetors**#72284
- For Barry Grant King Demon carburetors**.....#72285
- Holley HP Series Bracket Kit**.....#72277



Microswitch with Aluminum Billet Bracket #72280 for Edelbrock Performer and Thunder Series AVS carburetors

PRESSURE DEACTIVATION SWITCH

This Pressure Deactivation Switch is adjustable from 3 to 25 psi to disengage the nitrous system once the turbo has achieved the set boost pressure level. Factory pre-set at 7 psi, this switch is ideal for hard-core racing applications to prevent wheel spin and over-boost.

- Pressure Deactivation Switch** (adjustable from 3-25 psi)#72209

FUEL PRESSURE SAFETY SWITCHES

Maintaining adequate fuel pressure is critical when it comes to nitrous. These fuel pressure safety switches can be used in conjunction with your nitrous systems to safeguard against inadequate fuel pressure.

- 5 psi Switch**#72210
- 7 psi Switch**#72211
- 15 psi Switch**#72212
- 30 psi Switch**#72213
- 50 psi Switch**#72214

TOGGLE SWITCHES

These toggle switches can be used either with your nitrous system as a replacement component or upgrade, or they can be used as stand alone items to activate other accessories you might have!

- Lighted Toggle Switch**.....#72271
- Covered Toggle Switch**#72272
- Miniature Lighted Rocker Switch**.....#72273

PUSH BUTTON SWITCH

Momentary contact push button switch can be used as a purge button or in conjunction with a microswitch to activate the nitrous system.

- Push Button Switch**#72274

**LISTINGS IN
RED ARE NEW!**

RUSSELL ADAPTER FITTINGS FEATURE:

- Precision machined to ensure precise thread engagement
- Lightweight fittings match up with all Russell performance hose and hose ends
- 37° AN flare sealing angle guarantees a positive seal at maximum operating pressures
- Aluminum fittings anodized for greater corrosion resistance



#670340



#76525



#76531



#76555



#76524



#76553



#76552



#76526



#76566



Russell Performance Products... An Edelbrock Company

ADAPTER FITTINGS

Manufactured by Russell, our wide variety of lightweight aluminum, stainless and brass adapter fittings allow for the connection of Russell nitrous hose ends to almost any component. Use the AN size that matches your hose and the NPT (National Pipe Thread) size that matches the component you are plumbing. Our filter fittings prevent debris from clogging nitrous or fuel jets and are designed to be used in-line with your nitrous system in place of standard fittings.

PURGE KIT/NITROUS GAUGE ADAPTERS

4 AN Purge/Nitrous Gauge Adapter, Indexable (Red/Blue)	#670290
6 AN Purge/Nitrous Gauge Adapter, Indexable (Red/Blue)	#670340
4 AN Purge/Nitrous Gauge Adapter (Brass)	#76512
6 AN Purge/Nitrous Gauge Adapter (Brass)	#76510

FLARE JET FITTINGS

3 AN - 1/8" NPT straight (Blue)	#76520
3 AN - 1/8" NPT straight (Red)	#76521

FLARE TO PIPE FITTINGS: 90°

3 AN x 1/8" NPT 90° (Blue)	#76524
4 AN x 1/8" NPT 90° (Blue)	#76534

FLARE TO PIPE FITTINGS: STRAIGHT

3 AN - 1/8" NPT (Blue)	#76522
3 AN - 1/8" NPT (Red)	#76523
3 AN - 5/16" -24 (Stainless)	#76525
4 AN - 1/8" NPT (Blue)	#76530
4 AN - 1/8" NPT (Red)	#76531
4 AN - 1/4" NPT (Blue)	#76532
6 AN - 1/4" NPT (Blue)	#76540
6 AN - 1/4" NPT (Red)	#76541
6 AN x 3/8" NPT (Blue)	#76542
6 AN x 1/2" NPT (Blue)	#76543

PIPE REDUCER BUSHINGS

1/8" NPT Female - 1/16" NPT Male (Brass)	#76555
1/4" NPT Male - 1/8" NPT Female (Blue)	#76567
1/4" NPT Female - 1/8" NPT Male (Red)	#76568

MALE PIPE NIPPLE: 90°

1/8" NPT x 1/8" NPT 90° (Blue)	#76551
1/8" NPT x 1/8" NPT 90° (Red)	#76552
1/8" NPT x 1/8" NPT 90° (Steel)	#76554

MALE PIPE NIPPLE: STRAIGHT

1/8" NPT x 1/8" NPT (Brass)	#76553
1/4" NPT x 1/4" NPT (Blue)	#76566

FLARE-TO-PIPE "T" FITTINGS

3 AN - 3 AN - 1/8" NPT (Red)	#76526
4 AN - 4 AN - 1/8" NPT (Red)	#76548

FLARE-TO-FLARE REDUCER UNION

3 AN - 4 AN (Blue)	#76527
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FLARE-TO-FLARE "T" FITTINGS

6 AN - 6 AN - 6 AN (Blue)	#76545
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(Adapters & Fittings continued on next page)

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FITTINGS & HOSES

LISTINGS IN
RED ARE NEW!



FLARE-TO-FLARE "Y" FITTINGS

3AN - 3AN - 3AN (Red)	#76519
4AN - 4AN - 4AN (Blue)	#76536
4AN - 4AN - 4AN (Red)	#76537
6AN - 6AN - 6AN (Blue)	#76546
6AN - 6AN - 6AN (Red)	#76547
8AN - 8AN - 8AN (Blue)	#76570
8AN - 8AN - 8AN (Red)	#76571
10AN - 10AN - 10AN (Red)	#76573

1/8" NPT TO FLARE JET ADAPTER Y-FITTING

1/8" NPT - Flare Jet (Blue)	#76557
1/8" NPT - Flare Jet (Red)	#76558

ALLEN PIPE PLUGS

1/8" NPT (Black)	#76550
1/4" NPT (Red)	#76565

HIGH PRESSURE NITROUS & FUEL FILTER FITTINGS: STRAIGHT

4AN x 1/8" NPT, nitrous (Blue)	#76514
4AN x 1/4" NPT, nitrous (Blue)	#76516
4AN x 1/8" NPT, fuel (Red)	#76533
1/8" NPT x 1/8" NPT, nitrous (Blue)	#76556
6AN x 1/4" NPT, nitrous (Blue)	#76515
6AN x 1/4" NPT, fuel (Red)	#76544

DIRECT PORT KIT FITTINGS

COMPRESSION FITTINGS

1/8" NPT - 3/16" Tube, includes Ferrule (Brass)	#76560
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TUBING

3/16" Stainless Steel Tube Bundle, 12" long, qty. 16 (Stainless)	#76562
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FERRULES

3/16" Tube Barrel Ferrule, qty. 4 (Brass)	#76561
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TUBE NUTS

3AN - 3/16" Tube (Red)	#76528
3AN - 3/16" Tube (Blue)	#76529

TUBE SLEEVES

3/16" Tube Sleeve, 2 per pkg. (Endura)	#76563
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FUEL FILTER ASSEMBLY

Comprised of a black anodized aluminum main body, a washable and reusable mesh-style element, and o-ring seal. The 1/8" NPT female inlet/outlet is adaptable for AN or pipe thread.



Fuel Filter Assembly	#76513
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Russell Performance Products... An Edelbrock Company

STAINLESS STEEL HOSES FOR NITROUS SYSTEMS

Russell Nitrous system hose assemblies are constructed using Russell Power-Flex stainless steel braided hose. They feature a Teflon® inner liner and 308 stainless steel outer braid for the ultimate in strength, corrosion resistance and appearance. The Russell hose ends feature precision crimp installation using a hydraulic crimping method that provides a leak-free connection. All hoses feature straight AN hose ends on both ends unless noted otherwise. Some hoses have 1/8" NPT male threads on one end to thread directly into solenoids with 1/8" NPT ports. Use hoses with blue fittings for nitrous, and red fittings for fuel.

Russell braided stainless steel nitrous and fuel hoses are available in a variety of lengths, sizes and configurations

-3 AN NITROUS/FUEL HOSES

PART NO.	LENGTH/COLOR	DESCRIPTION
#658000	8-1/2" Blue	Nitrous Line
#658010	8-1/2" Red	Fuel Line
#658020	8-1/2" Blue	-3 AN x 1/8" NPT
#658030	8-1/2" Red	-3 AN x 1/8" NPT
#658780	10" Red	Fuel Line
#658040	12" Blue	Nitrous Line
#658070	12" Red	Fuel Line
#658050	12" Blue	-3 AN x 1/8 NPT
#658060	12" Red	-3 AN x 1/8 NPT
#658080	15" Blue	Nitrous Line
#658090	15" Red	Fuel Line
#658100	18" Blue	Nitrous Line
#658110	18" Red	Fuel Line
#658120	2-foot Blue	Nitrous Line
#658150	2-foot Red	Fuel Line
#658130	2-foot Blue	-3 AN x 1/8" NPT
#658140	2-foot Red	-3 AN x 1/8" NPT
#658160	3-foot Blue	Nitrous Line
#658170	3-foot Red	Fuel Line
#658180	4-foot Blue	Nitrous Line
#658190	4-foot Red	90° to Straight

-4 AN NITROUS/FUEL HOSES

PART NO.	LENGTH/COLOR	DESCRIPTION
#658200	8-1/2" Blue	Nitrous Line
#658210	8-1/2" Red	Fuel Line
#658220	1-foot Blue	Nitrous Line
#658230	1-foot Red	Fuel Line
#658240	15" Red	90° to Straight
#658250	18" Blue	Nitrous Line
#658260	18" Red	Fuel Line
#658270	2-foot Blue	Nitrous Line
#658300	2-foot Red	Fuel Line
#658280	2-foot Blue	-4 AN x 1/8" NPT
#658290	2-foot Red	-4 AN x 1/8" NPT
#658310	3-foot Blue	Nitrous Line
#658320	3-foot Red	Fuel Line
#658330	4-foot Blue	Nitrous Line
#658340	6-foot Blue	Nitrous Line
#658350	8-foot Blue	Nitrous Line
#658360	10-foot Blue	Nitrous Line
#658370	12-foot Blue	Nitrous Line
#658380	14-foot Blue	Nitrous Line
#658390	16-foot Blue	Nitrous Line
#658400	18-foot Blue	Nitrous Line
#658410	20-foot Blue	Nitrous Line
#658810	8" Blue	-4 AN to -3 AN
#658820	8" Red	-4 AN to -3 AN
#658420	1-foot Blue	-4 AN to -3 AN
#658430	1-foot Red	-4 AN to -3 AN
#658790	15-foot Blue	-4 AN to -3 AN
#658800	15-foot Red	-4 AN to -3 AN
#658440	18" Blue	-4 AN to -3 AN
#658450	18" Red	-4 AN to -3 AN
#658460	1-foot Blue	-4 AN to -6 AN
#658470	18" Blue	-4 AN to -6 AN
#658480	18" Red	-4 AN to -6 AN

-6 AN NITROUS/FUEL HOSES

PART NO.	LENGTH/COLOR	DESCRIPTION
#658490	1-foot Blue	Nitrous Line
#658500	1-foot Red	Fuel Line
#658510	2-foot Blue	Nitrous Line
#658520	2-foot Red	Fuel Line
#658530	4-foot Blue	Nitrous Line
#658540	6-foot Blue	Nitrous Line
#658550	8-foot Blue	Nitrous Line
#658560	10-foot Blue	Nitrous Line
#658570	12-foot Blue	Nitrous Line
#658580	14-foot Blue	Nitrous Line
#658590	16-foot Blue	Nitrous Line
#658600	20-foot Blue	Nitrous Line



For top-of-the-line fittings, hose ends, braided stainless steel or rubber hose and brake hoses choose Russell Performance Products. www.russellperformance.com



Russell nitrous and fuel hoses have a working pressure rating of 1500 psi

VISIT EDELBROCK.COM/AUTO/NITROUS TO SEE OUR COMPLETE LINE OF PRODUCTS!



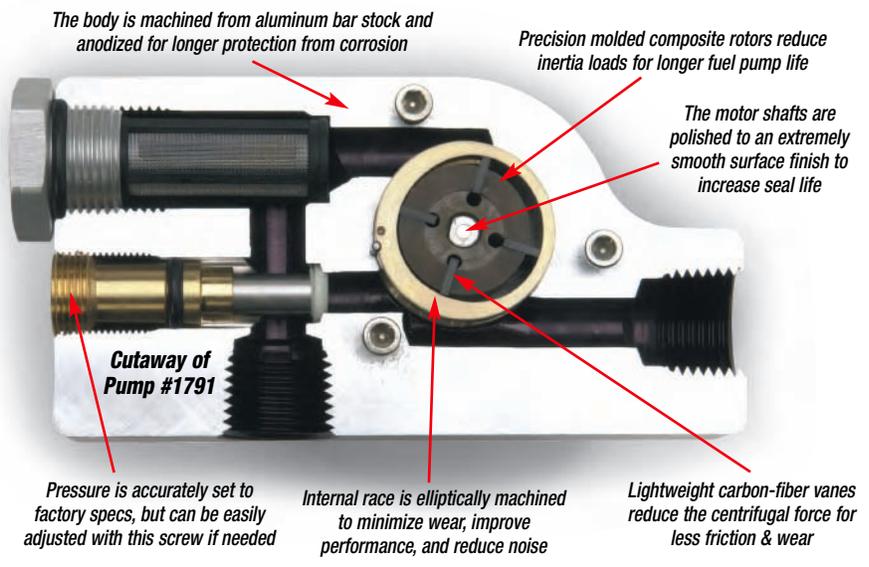
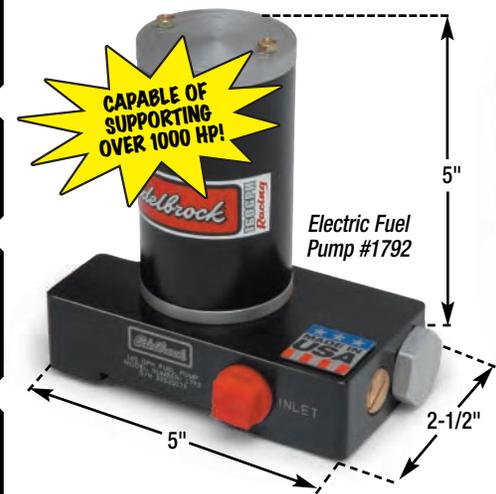
FUEL PUMPS & REGULATORS

QUIET-FLO™ ELECTRIC FUEL PUMPS

Manufactured by Essex Industries, one of the most renowned fuel system manufacturers, these state-of-the-art Electric Fuel Pumps offer maximum performance in a compact package. With anodized aluminum housings and high-quality internals, they are both strong and durable. Each pump is factory-tested and includes mounting brackets. The carbon fiber vanes and composite rotors give these pumps the added boost for **maximum** performance. The high quality construction results in a pump that is **4 to 14 dB quieter than competitors pumps** at the same pressure. #1791 is factory preset to 6.5 psi and no regulator is required for most applications. Includes a replaceable screen type inlet filter, the free flow rate of 120 GPH is sufficient to supply 600 hp. #1792 has a free flow rate of 160 GPH, enough to feed a 1000 hp engine. This pump is factory preset to 12 psi and requires an external regulator such as the Edelbrock regulator #1727. Current draw: 3.2 amps @ 12 VDC, 3.6 amps @ 14 VDC.

IMPORTANT NOTES: These pumps should be mounted as close to the fuel tank as possible, at or below the fuel level. For proper installation and voltage requirements, use fuel pump relay kit #1795.

120 GPH (free flow), **3/8" NPT inlet/outlet for carbureted applications**#1791
160 GPH (free flow), **1/2" NPT inlet/outlet for carbureted applications**#1792



FUEL PRESSURE REGULATOR

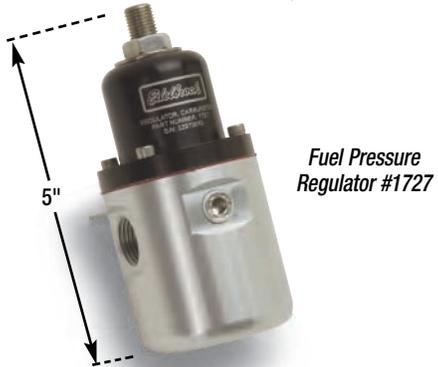
This Fuel Pressure Regulator is machined from aircraft quality aluminum for those who demand the best. Manufactured by Essex Industries, this regulator has fluorosilicone diaphragm material for extended life and high temperature protection. It is compatible with all grades of gasoline/methanol and has 1/8" NPT gauge ports. Mounting bracket, fittings and hardware are included. #1727 has 3/8" NPT inlet/outlets and is adjustable from 5 to 10 psi providing extremely consistent pressure regulation for carbureted applications.

160 GPH w/ single 3/8" NPT inlet and dual 3/8" NPT
 (outlets for carbureted applications)#1727

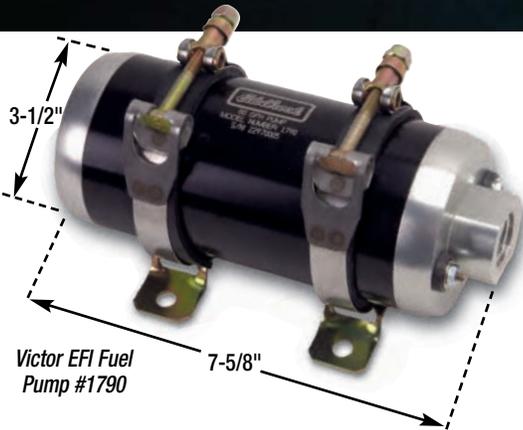
UNIVERSAL FUEL PUMP RELAY KIT

Universal fuel pump relay kit for use with Edelbrock #1791 and #1792 fuel pumps. Installation of this relay kit will ensure proper wiring which reduces the risk of damaging the fuel pump and results in consistent fuel pressure.

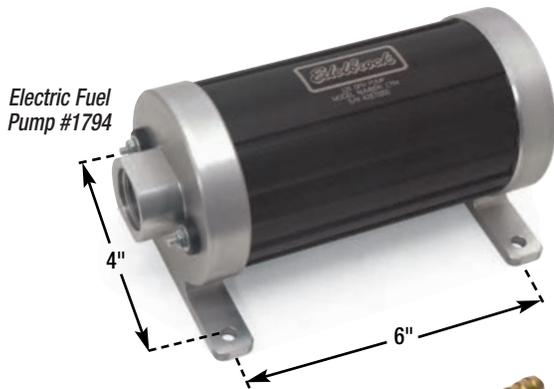
Fuel Pump Relay Kit.....#1795



EFI FUEL PUMPS & REGULATORS



Victor EFI Fuel Pump #1790



Electric Fuel Pump #1794



Electric Fuel Pump #3594



Fuel Pressure Regulator #1728



In-Tank Fuel Pump #17935

ELECTRIC FUEL PUMPS FOR EFI

These EFI fuel pumps are also manufactured by Essex Industries. With anodized aluminum housings and high-quality internals, they are both strong and durable. Each pump is factory-tested and includes mounting brackets. #1790 features a -10 AN inlet/outlet and a flow rate of 80 GPH at 45 psi for use with high-hp fuel injected applications. The in-line design keeps the pump motor and components cool even under harsh conditions. The Victor EFI fuel pump #1794 is rated at 120 GPH at 45 psi and has -12 AN inlet/outlets and is compatible with all grades of gasoline and methanol type fuels.

80 GPH at 45 psi, -10 AN inlet/outlet (for EFI applications)#1790
120 GPH at 45 psi, -12 AN inlet/outlet (for EFI applications)#1794

STREET/STRIP ELECTRIC FUEL PUMP

Street/Strip fuel pumps can be utilized as an inline booster pump or as a stand-alone unit. These pumps are continuous duty rated and are ideal for EFI applications that require additional pumping capabilities due to upgrade modifications such as high compression pistons, high flow intake manifolds, big bore throttle bodies, cams, turbo kits, superchargers and nitrous applications up to 600 HP. Includes mounting brackets, 3/8" barb fittings. Match with EFI regulator #1728 for adjustability from 35 to 90 psi.

57 GPH (215 liter/hr), 3/8" hose barb fittings#3594

FUEL PRESSURE REGULATORS

These Fuel Pressure Regulators are machined from aircraft quality aluminum for those who demand the best. Manufactured by Essex Industries, these regulators have a diaphragm made of fluorosilicone for extended life and high temperature protection. They are compatible with all grades of gasoline/methanol and have 1/8" NPT gauge ports. Mounting bracket, fittings and hardware are included. #1728 is adjustable from 35 to 90 psi and has two -6 AN inlet ports plus a single -6 AN outlet. #1729 offers the same flow performance but with a longer body and -10 AN inlet ports. Both are capable of handling the flow from pump #1794 or two #1790 pumps for systems well beyond 1000 HP.

180 GPH w/ dual -6 AN inlet, single -6 outlet & -6 external bypass (for EFI applications)#1728
180 GPH w/ dual -10 AN inlet, single -10 outlet & -6 external bypass (for EFI applications)#1729

HIGH PERFORMANCE IN-TANK FUEL PUMPS

These OE in-tank upgrade pumps are ideal for supporting performance improvements such as a high performance intake manifold, cams, turbo, direct port nitrous systems, big-bore throttle body, etc. They replace your original pump exactly and include all necessary hardware for an easy installation.

For 1985-97 Ford Mustang (exc. 1996-97 Cobra)

155 liter/hr. (41 GPH)#17930
190 liter/hr. (50 GPH)#17931
255 liter/hr. (67 GPH)#17932
255 liter/hr. (67 GPH) high pressure for Turbo or Nitrous#17935

For 1985-92 fuel-injected GM vehicles, non-TBI

255 liter/hr. (67 GPH)#17933

For 1984-90 front wheel drive Chrysler vehicles

255 liter/hr. (67 GPH)#17934

For 1994-99 Acura Integra & 1992-00 Honda Civic

190 liter/hr. (50 GPH)#17938
255 liter/hr. (67 GPH)#17936
255 liter/hr. (67 GPH) 60+ psi for Turbo, Supercharger or Nitrous#17937

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CARB/PLATE KITS
 EFI KITS
 DIRECT PORT KITS
 ACCESSORIES
 BOTTLES & KITS
 GAUGES
 ELECTRICAL
 FITTINGS & HOSES
 FUEL PUMPS & REGS
 DEALER
 TECH TIPS
 INDEX

DEALER

NITROUS BOTTLE REFILL PUMP STATION FEATURES:

- Industrial style pneumatic driven transfer pump
- 20" bottle stand for threaded neck bottles
- Anodized fuel filter assembly
- Compressed air on/off valve
- Nitrous tee valve
- 1-1/2" nitrous pressure gauge
- 2' x 3' "Refills Here" dealer banner
- "Refills Here" dealer decal
- "Nitrous Refills Sold Here" label
- Operating manual and instruction sheet

Nitrous bottle refill pump station #78000 comes complete with all the plumbing, hoses, gauge, valve, fittings and bottle stand necessary to transfer nitrous from a mother cylinder to the receiving bottle



NITROUS BOTTLE REFILL PUMP STATION

The Refill Pump Station comes complete with all the plumbing, hoses, gauge, valve, fittings and bottle stand necessary to transfer nitrous from a mother cylinder to the receiving bottle. The pump runs off compressed air and requires no electrical hook-up. Every kit includes a dealer decal #0209 and banner #0208 to let others know that you support the high-quality Edelbrock nitrous program. Don't forget the Water Separator/Regulator #78003, shown at left, to extend the life of your pump.

Refill Pump Station#78000
Replacement Pump only#78001



Water Separator/Regulator #78003

WATER SEPARATOR/REGULATOR

This combination water separator and air pressure regulator is designed to be used as an accessory with our nitrous refill pump station. Besides regulating the air pressure to the correct level, it prevents water from entering the nitrous pump and causing damage, thereby extending the life of your transfer pump.

Water Separator/Regulator#78003



Nitrous Plan-O-Gram #0310

NITROUS PLAN-O-GRAM

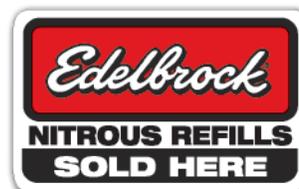
This Nitrous Plan-O-Gram showcases the most popular Edelbrock Nitrous products; you will see an immediate improvement in sales. In addition, the Plan-O-Gram can be an important training tool for sales personnel and educating customers by showing them that Edelbrock is more than just manifolds. The results — a well-equipped staff and customers who are confident that they made the right decision when they chose Edelbrock.

Nitrous Plan-O-Gram#0310

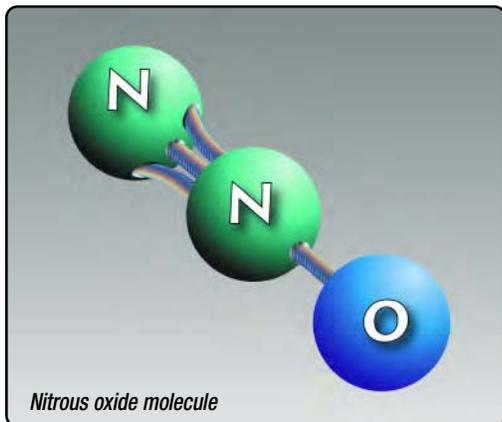
FREE POINT-OF-PURCHASE

6" x 9-1/2" red, black and white decal that tells your customers that you refill Edelbrock nitrous bottles.
Edelbrock "Nitrous Refills Sold Here" Dealer Decal#0209

24" x 36" plastic banner screened with "Edelbrock Nitrous Refills Sold Here." Rolled for mailing.
Edelbrock Nitrous Refill Banner#0208



Dealer Decal #0209



BENEFITS OF NITROUS OXIDE

- **Lowers engine intake air temperature, producing a dense inlet charge**
- **Increases the oxygen content of the inlet charge (air is only 22-percent oxygen by weight while nitrous oxide is 36-percent oxygen by weight)**
- **Increases the rate at which combustion occurs in the engine's cylinders**
- **Nitrogen acts as a buffer by remaining attached to the oxygen molecule until the bond is broken in the heat of combustion— otherwise, the free oxygen molecule could cause premature combustion before it reaches the cylinder!**



Electric Fuel Pump #1790

Fuel Pressure Regulator #1727



Mechanical Fuel Pump #1711



TECHNICAL DISCUSSION

From a performance standpoint, nitrous oxide is one of the most cost-effective methods of increasing horsepower on the market today. In addition, nitrous is compact, so it doesn't stand out, and it's only used when needed. To understand how nitrous oxide works, let's review how an engine operates.

A gasoline engine's operation depends on three factors: fuel, air and spark. The engine takes in air and fuel and ignites it with the spark. The ignited mixture results in hot, expanding gasses that push the piston down the cylinder, thus causing the engine to run and transfer power throughout the drivetrain. When it comes to increasing engine performance, there are a wide variety of performance parts on the market, & most are designed to do one thing: increase the amount of air and fuel the engine can gulp into the cylinder on the intake stroke. The more air & fuel the engine can pack into the cylinders on the intake stroke, the greater the hp level.

WHAT IS NITROUS OXIDE?

Nitrous oxide is a cryogenic gas composed of two nitrogen molecules bonded to one oxygen molecule, hence, the chemical name of N_2O . It stays in liquid form under pressure and converts to a gaseous state when released into the atmosphere. Being 36% oxygen by weight, nitrous oxide is considered to be an oxidizer, not a fuel, and is non-flammable by itself. Because nitrous oxide is a cryogenic gas, the same safety methods in handling dry ice apply to nitrous. Direct contact with the skin will cause a burn similar to contact with dry ice. Nitrous Oxide is offered for sale in two common grades, which are U.S.P., and Nytrous Plus. U.S.P. nitrous oxide is medical grade nitrous oxide. Its common use is dental and veterinary anesthesia as well as use as a propellant in food such as canned whip cream.

U.S.P. is not available to the public and would provide no advantage in the making of horsepower over the automotive grade nitrous oxide. Nytrous Plus was specifically designed for automotive consumption and differs from U.S.P. in that it contains trace amounts of sulfur dioxide (100 parts per million or "PPM") added to prevent substance abuse. The Sulfur Dioxide is an irritant to all of your breathing passageways and will cause sore throats and sore nasal passages. Nytrous Plus was specifically created for automotive applications and is available for sale to the public at many speed shops across the USA and abroad.

HOW DOES NITROUS OXIDE WORK?

As stated before, nitrous oxide is an oxidizer. An oxidizer supports combustion by supplying additional oxygen. Initially, the nitrous doesn't help the process. This is because as long as the one oxygen molecule is bonded to the two nitrogen molecules, the oxygen isn't free to aid combustion at all. Only after they've been exposed to the heat of the combustion process will the chemical bond be broken (the bond breaks around 570 degrees), allowing the free oxygen molecule to then contribute to the combustion process. Additional fuel is added along with the nitrous to maintain a stoichiometric air/fuel ratio. The end result is more horsepower being created pretty much the same way a blower or turbocharger does.

TECH TIPS

ENGINE CONFIGURATION TIPS FOR EDELBROCK DIRECT PORT SYSTEMS

- 1 When using an Edelbrock Direct Port Nitrous System, extra fuel is required to make the additional horsepower. Call the **Edelbrock Tech Line at 1-800-416-8628** from 7am to 5pm PST Monday-Friday for more information regarding Edelbrock fuel pumps.
- 2 In extreme horsepower applications, such as with our Victor Jr., Victor & Super Victor Series Nitrous Systems, extremely high cylinder pressures can be generated. We recommend high-strength internal engine components such as forged pistons and crankshaft, high performance connecting rods, etc. Please contact the Edelbrock Tech Line for more information regarding your engine configuration for the power gains you are looking to achieve.
- 3 For race engine applications, there are cams specifically designed for use with nitrous. Typically, these cams will feature a wider-than-normal lobe separation angle, usually around 112° to 114° to keep the nitrous-enhanced intake charge from being purged out through the exhaust valve. Cam changes such as these are only to be performed on racing engines, not stock or near stock applications.
- 4 For race engine applications, many standard ignition systems experience misfires at high cylinder pressures and/or high RPM. We recommend using a high-quality performance ignition system for such racing applications.

VISIT EdeLbrock.com/Auto/Nitrous TO SEE OUR COMPLETE LINE OF PRODUCTS!





SYSTEM TUNING

This technical information is to be used as an aid in helping to tune our nitrous oxide systems. Before addressing the nitrous variables, be sure that you have properly tuned your engine and that it's working at peak efficiency without nitrous. Our goal is to provide reliable horsepower gains without sacrificing dependability or reliability. To achieve the gains that we did, you need to eliminate variables that could cause less-than-ideal operation.

KEEP IT SIMPLE...

There are only four engine tuning variables to keep in mind when dealing with nitrous oxide. They are:

- **Bottle Pressure** – **Bottle Pressure should be between 900-950 psi**
- **Fuel Pressure** – **As a general rule, do not exceed 6% fuel pressure drop when the nitrous system is activated. For example, if the OEM states that 45 psi is an acceptable fuel pressure for a given vehicle, the fuel pressure drop seen when the nitrous system is activated should be no more than 2.7 psi on EFI-equipped vehicles. On carbureted applications with 7.5 psi, a drop of no more than .5 psi is acceptable**
- **Timing** – **Retard ignition timing 1-1/2° to 2° for every 50 hp of nitrous used (may vary by application)**
- **Spark Plugs** – **1 heat range colder for every 100 hp, non-projected type plug with a gap of .025 to .035. Use non platinum plugs only!**

Relationship Between Nitrous Bottle Temperature & Pressure

Temp. (F)	Press. (psi)	Temp. (F)	Press. (psi)
-40°	.....122	40°	.....490
-20°	.....188	50°	.....565
-10°	.....225	60°	.....655
0°	.....260	70°	.....735
10°	.....315	80°	.....840
20°	.....365	90°	.....945
30°	.....430	98°	.....1040

Figure 1 - Nitrous Temperature/Pressure Table

BOTTLE PRESSURE

Bottle pressure is one of the most important factors in tuning a nitrous oxide system. Many people feel that if a bottle is full then the pressure must be right, however, that isn't always true. Pressure has a direct relationship to temperature. A full bottle can vary from 750 to 1200 psi depending of the method used to fill the bottle. All Edelbrock nitrous systems are tuned utilizing liquid nitrous, which is denser than gaseous nitrous and more stable. Nitrous becomes a liquid at a temperature of -127°F at atmospheric pressure. Since this temperature is nearly impossible to sustain and there would be no pressure to carry the nitrous where it needs to go, we use the alternate method to change the phase to a liquid by pressurizing it to a level of 735 psi or greater, ideally 950 psi. At 950 psi nitrous has a density of 5.44 lb/gal., bottle pressure is more stable and can easily be sustained with the use of a **bottle heater**. Many people also feel that running pressure greater than 950 psi will generate much higher flow of nitrous, however, this is not the case. Figure 1 on the right illustrates the relationship between bottle temperature and bottle pressure. Note that as volume decreases it is harder to maintain pressure and a **bottle heater** can help ensure better consistency. A consistent bottle pressure provides a consistent amount of nitrous delivered during a given period of time. It's also good practice to top off the bottle when it reaches a volume of less than 40%. Although a pressure of 950 psi can be achieved at almost any volume, the problem is that the pressure drop will be much greater than when a bottle is full, and consistency can be affected.

Six-Second Performance with Edelbrock Nitrous 6.925 @ 203.61 mph!



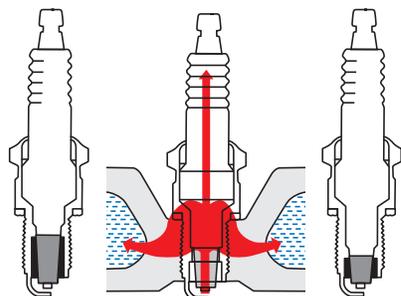
Rich Zehring, PSCA Outlaw Street Champion became the first West Coast Outlaw Street car to run in the sixes and the first over 200 mph! Rich runs our nitrous system, progressive controller, QwikData data acquisition and Russell Performance Plumbing.

Our 12-Volt Nitrous Bottle Heater is the best way to maintain proper nitrous temperature and pressure



To make sure your fuel system has adequate fuel pressure, use an Edelbrock Flow Test Tool #76506 to measure your fuel system's "flowing pressure".

Spark Plug Heat Rating



Heat Range Types

Hot Type

- Large exposure surface to combustion gasses
- Dissipates heat slowly
- Firing end heats up quickly

Cold Type

- Smaller exposure surface to combustion gasses
- Dissipates heat quickly
- Firing end does not heat as quickly

Courtesy of NGK Corporation

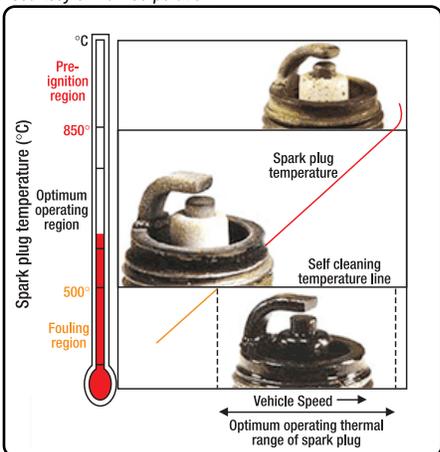


Figure 2 - The appearance of your spark plugs after a nitrous pass tells you a lot about the condition and state of tune of your engine

TECH TIPS

FUEL PRESSURE

A commonly overlooked problem is insufficient fuel pressure. To maintain consistent fuel pressure and delivery we must determine if it is adequate for the task. Most modifications will be fine on factory fuel delivery systems. On highly modified engines that horsepower levels exceed 40% over the manufacturer rated hp level, modifications like the addition of an in-line booster pump or dedicated fuel system is recommended. The purpose of a booster pump is to work in conjunction with the stock pump and maintain a more consistent fuel pressure. The booster pump allows the factory pump to provide its maximum volume capacity; the booster pump then increases the fuel pressure. In racecar applications with a direct port nitrous system or wet nitrous system, a dedicated fuel system is recommended. A dedicated fuel system consists of a fuel pump, fuel pressure regulator and feed line to the fuel solenoid. The purpose of a dedicated fuel system is to provide fuel enrichment for the nitrous system independent of the primary fuel system. A dedicated fuel system offers a greater degree of tune-ability and eliminates problems that might arise from sharing a fuel pump with the engine.



Electric Fuel Pump #1791

TIMING

When we set the timing on a car we are actually finding the point in which the engine will initiate the burn so that at about 15° After Top Dead Center (ATDC) peak cylinder pressure can occur. Depending on combustion chamber design and cylinder filling, this point can be anywhere between 30° and 45° Before Top Dead Center (BTDC). The reason we retard timing with nitrous injection is that the air charge becomes more oxygen dense, causing the air/fuel mixture to burn at a much higher rate. In other words, accelerated combustion occurs. This acceleration in combustion causes peak cylinder pressure to happen much earlier. The problem with this is that instead of using the energy generated by combustion to give the piston momentum we are transferring that heat energy onto the rotating and reciprocating assemblies, and possibly hurting them. In the process we are losing torque and horsepower. To prevent this, we recommend that you retard the ignition timing 1-1/2° to 2° for every 50 hp added through the nitrous system. This will ensure that peak cylinder pressure occurs at the same point it did before the nitrous was injected into an engine. Also keep in mind that retarding too much timing will also hurt you. If you retard more than the recommended amount, peak cylinder pressure can occur much later in the combustion cycle and that energy will be wasted. In most cases, avoid aftermarket chips or computers that are not designed for use with nitrous. They typically add more ignition timing, which could lead to power loss and engine damage.

SPARK PLUGS

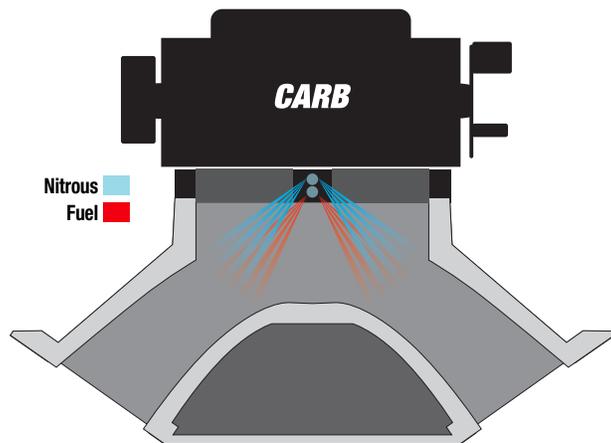
The last frequently misunderstood factor in adapting a nitrous system to your engine is the spark plug. Three important aspects of spark plugs must be looked at: their heat range, reach and gap. We advise lowering the heat range of your spark plugs 1 step for every 100 hp added with nitrous. The other aspects of a plug that must be looked at are the reach and gap. It is best to use a non-projected type plug. Projected plugs allow a greater portion of the electrode to be exposed to combustion gases and possibly cause pre-ignition. The spark plug gap also plays a large roll in nitrous engine performance, because increased cylinder pressure from the additional nitrous and fuel makes it harder for the spark to jump the gap. The same gap that worked for a non-nitrous set-up may be too much for nitrous, leading to excessive misfires and loss of power. Also, we recommend that you **do not** use platinum plugs. The platinum tips can get extremely hot and will cause detonation. Plus, there is a chance the tip may break off in even cases of mild detonation and can severely damage the engine.

Ideally a gap between .025" and .035" should be used on high horsepower applications where an inductive style ignition system is utilized. Engines equipped with capacitive discharge ignition systems may use gaps larger than .035". It's very important to learn how to read the plugs after a pass. A plug can tell you a lot of what is happening in the combustion chamber. See Figure 2 to the left for more on this important detail.

TYPES OF NITROUS SYSTEMS

The following diagrams illustrate how four common systems inject nitrous and supplemental fuel to increase horsepower.

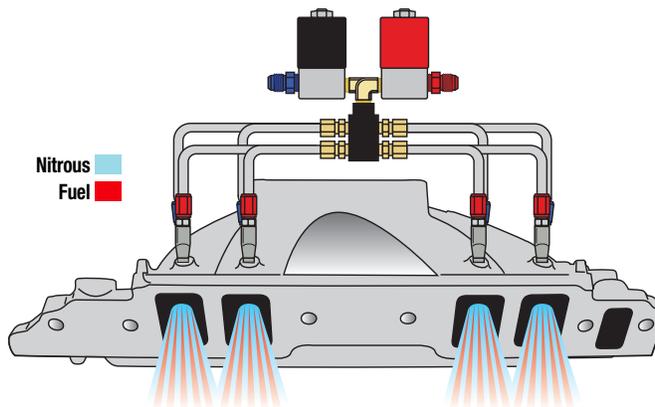
Spray Bar Plate Nitrous Systems



Nitrous & Supplemental Fuel

Our most common system. One carburetor plate injects both nitrous and additional fuel using one nitrous spray bar and one fuel spray bar. Both sides are metered by tuning jets as they're sprayed into the incoming air charge.

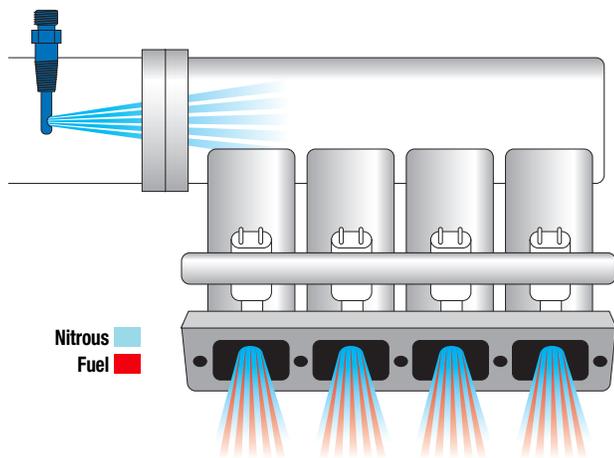
Direct Port Nitrous Systems



Nitrous & Supplemental Fuel

Each intake runner is equipped with its own direct-port style nozzle which injects both nitrous and additional fuel metered by tuning jets as they're sprayed into the incoming air charge. This type of system is ideal for individual cylinder tuning and developing maximum horsepower.

Dry EFI Nitrous Systems



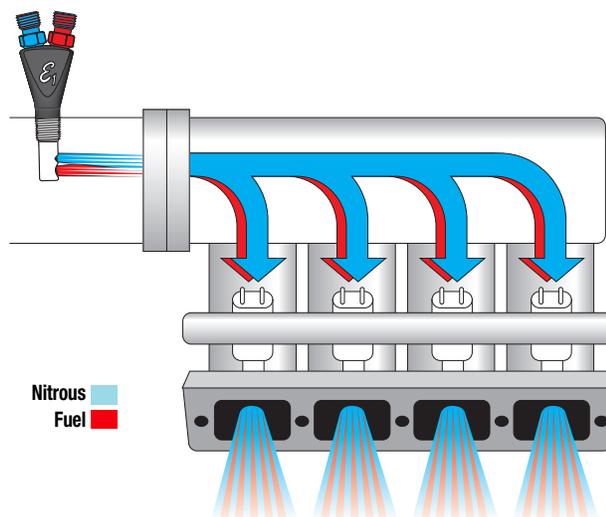
Nitrous:

Nitrous is metered by tuning jets and injected through a dry nozzle (no fuel) into the incoming air charge.

Supplemental fuel:

The nitrous system interfaces with the stock EFI system and increases fuel flow to the existing fuel injectors when the system is armed and triggered.

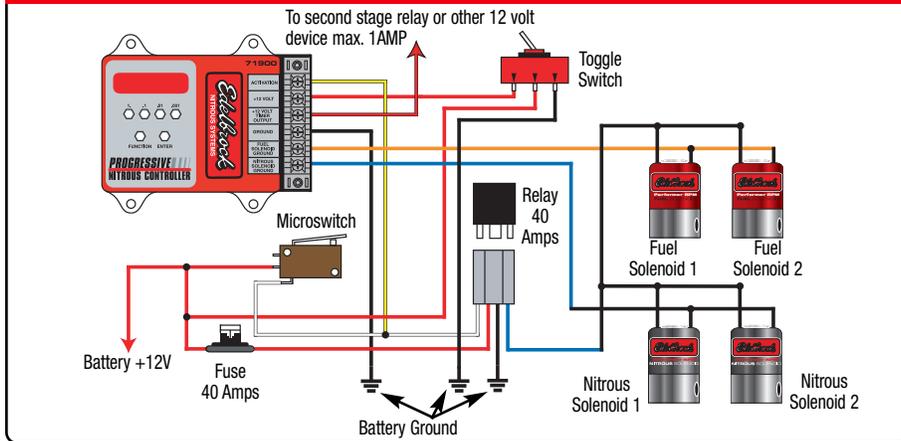
Wet EFI Nitrous Systems



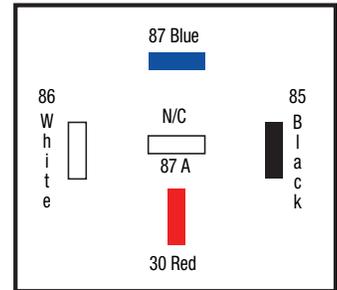
Nitrous & Supplemental Fuel

One direct-port style nozzle injects both nitrous and additional fuel metered by tuning jets as they're sprayed into the incoming air charge.

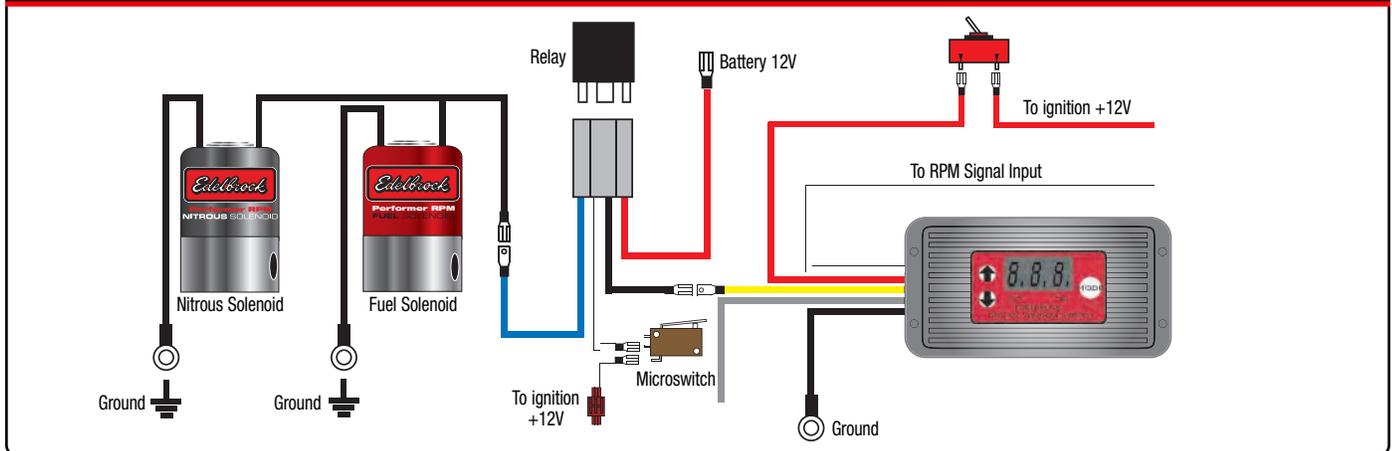
Progressive Nitrous Controller Diagram



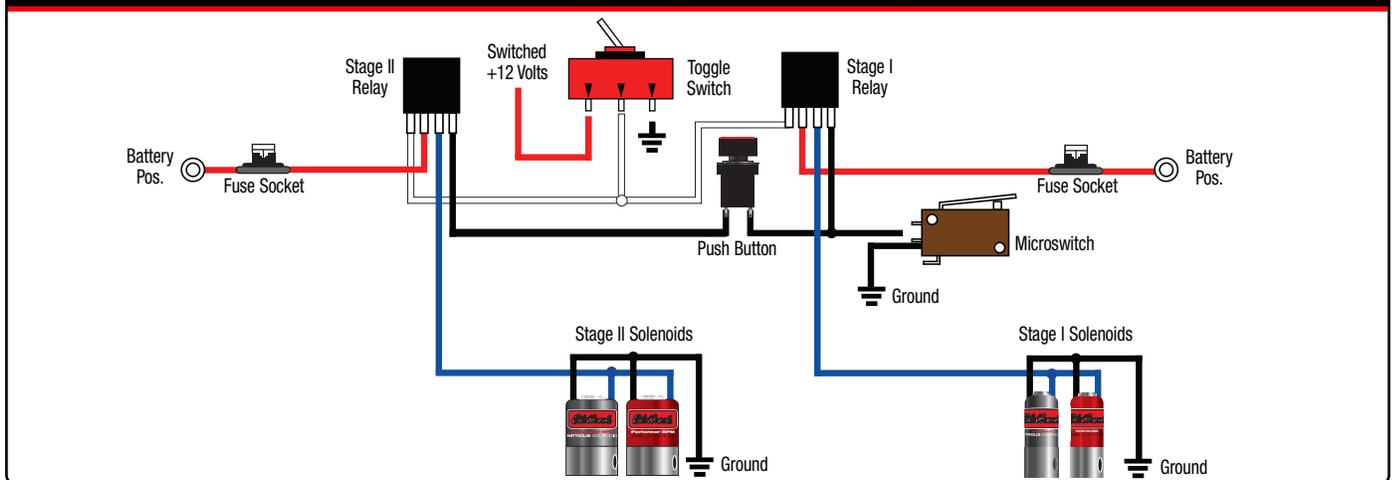
RELAY PIN DIAGRAM (BOTTOM VIEW)



RPM Activation Switch Diagram



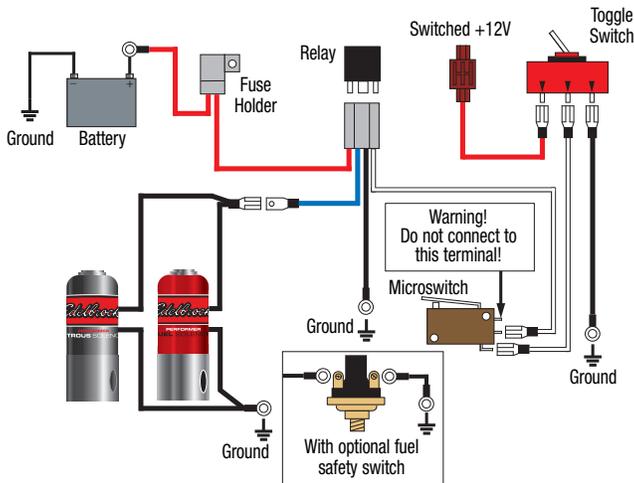
Dual Stage System Diagram



WIRING DIAGRAMS

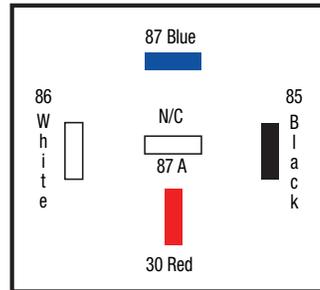
LISTINGS IN RED ARE NEW!

Carb Plate System Diagram

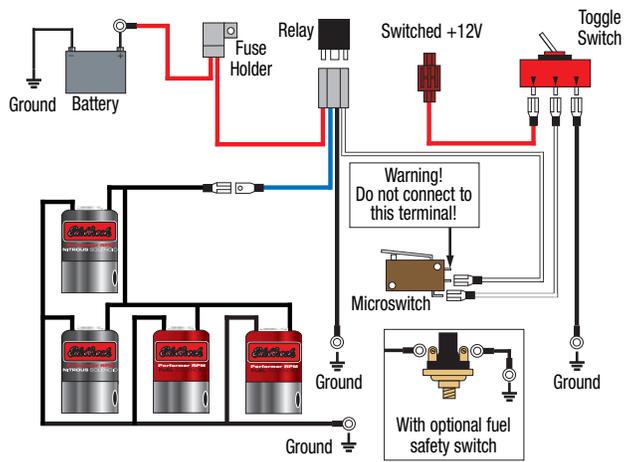


RELAY PIN DIAGRAM

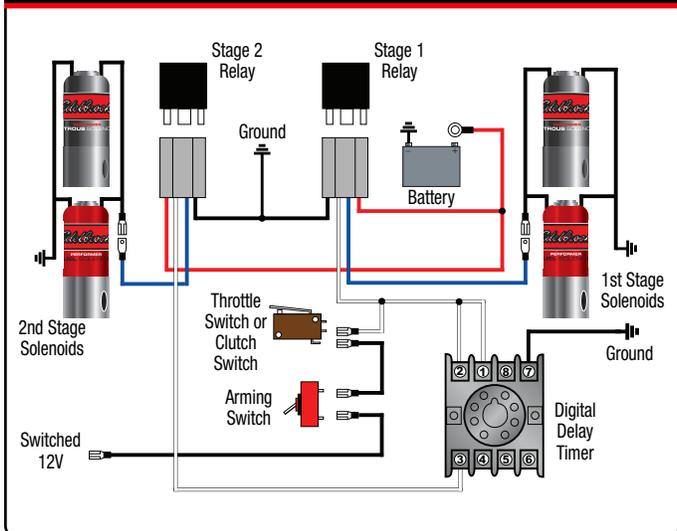
(BOTTOM VIEW)



Direct Port System Diagram



Digital Delay Timer Diagram



General Warranty

It is the constant endeavor of the Edelbrock Corporation to give our customers the highest quality products obtainable. Edelbrock warrants each new product, except Edelbrock Crate Engines, Performer Series Carburetors, Race Division Parts, Stainless Steel Tubular Exhaust Systems and Edelbrock IAS Shock Absorbers which are warranted separately, to be free from defects in both workmanship and material for a period of one (1) year from the date of purchase, provided that the product is properly installed, subjected to normal use and service and that the product is not modified or changed in any way, nor damaged because of negligence by customer or installer or used for racing or competition purposes. Our warranty service and

repair facility is located at 2700 California Street, Torrance, California 90503. Customers who believe they have a defective product should either return it to the dealer from which it was purchased or ship it directly to Edelbrock Corporation along with proof of purchase and a complete description of the problem. The product must be returned freight prepaid. If a thorough inspection of the product by the factory indicates defects in workmanship or material, our sole obligation shall be to repair or replace the product. Warranty covers only the product itself and not the cost of installation or removal.

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PLATE SYSTEMS

DIRECT PORT SYSTEMS

EFI SYSTEMS

JETS & SOLENOIDS

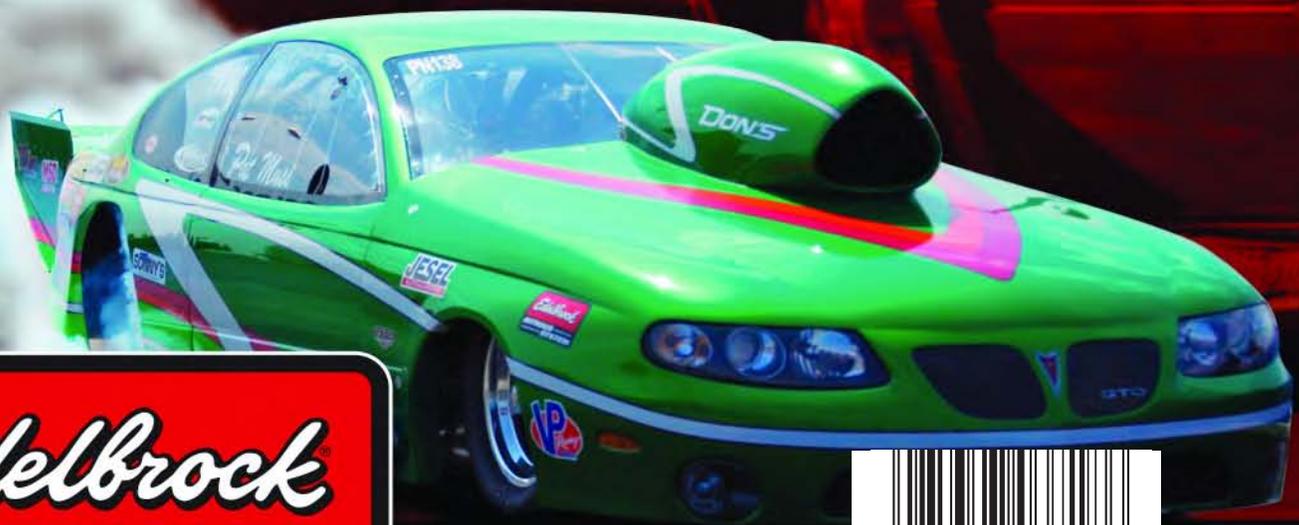
GAUGES & SWITCHES

STAINLESS STEEL LINES

FITTINGS & ADAPTERS

NOZZLES

BOTTLES



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