



CONTENDER Performance Products

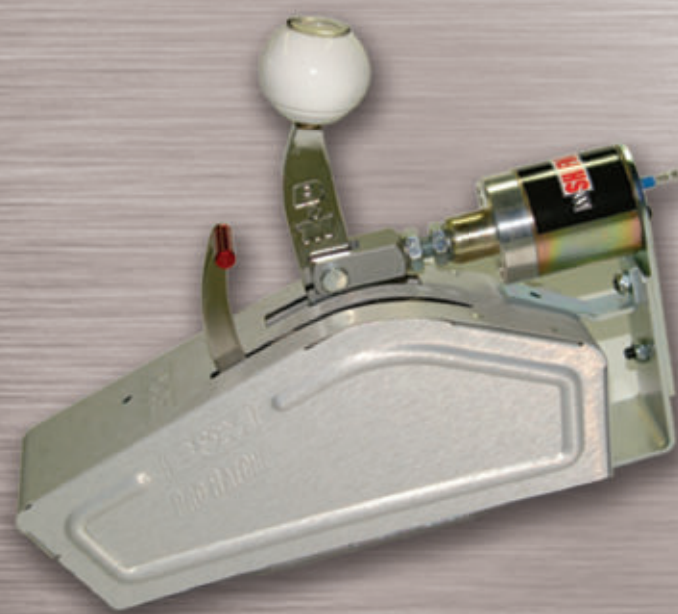
A Leader in Drag Racing Technology



**Air & Electric Shifter Activators
and Throttle Controllers**

CMW

**Callis Machine Works
Shifters, Throttle Controllers
& Transbrake Accessories**



RACE-PROVEN PRODUCTS

- *Electric Shifter Activators*
- *CO2 Shifter Activators*
- *Throttle Stops*
- *Starting Line Controllers*
- *RPM Activated Switches*
- *Transbrake Switches*
- *Electronic Shift Controllers*
- *CO2 Bottles & Regulators*

Models for 2, 3 and 4 speed transmissions, forward or reverse pattern and most shifters on the market!

Air & Electric activated shifters give you consistency you cannot achieve shifting manually. These kits allow you to leave both hands on the wheel and concentrate on your driving.

Electric Shifter Kits

Forward Pattern 2 speed

Powerglide

SN5000FC Shift Kit

Fits B&M Pro Stick, Hurst Quarter Stick, TCI Outlaw, and TCI Thunderstick with Front Exit Cable.

SN5000RC Shift Kit

Fits Hurst Quarter Stick II with Rear Exit Cable.

SN5200 Shift Kit

Fits B&M Pro Bandit with Standard or Magnum Grip Handle.

SN5100 Complete Shifter

The Callis Machine Works (CMW) slim-line shifter is ideal for dragsters and roadsters. Front Exit Cable design. Rear cable exit conversion available. Uses most standard cables.

SN6000 Shift Kit

Solenoid / Spring shifter. Low amperage draw, spring activated shift kit for 2 speed PG transmissions. Bracket works with B&M Pro Stick, Hurst Quarter Stick, TCI Outlaw, TCI Thunderstick with Front Exit Cable and Hurst Quarter Stick II with Rear Exit Cable.

SN7000 Heavy Duty Shift Kit

Extreme heavy duty model with the extra force needed to shift hard to shift shifters and transmissions. Bracket works with B&M Pro Stick, Hurst Quarter Stick, TCI Outlaw, TCI Thunderstick with Front Exit Cable and Hurst Quarter Stick II with Rear Exit Cable.



Forward Pattern 3 speed

TH350/400 - Ford C4/C6 - Chrysler TF727/904

SN5057 Shift Kit

Fits B&M Pro Stick or Hurst Quarter Stick (Ball Knob or Magnum / Pistol Grip), TCI Outlaw & Thunderstick with Front Exit Cable. Makes 1-2 and 2-3 shift.



Reverse Pattern 3 speed

TH350/400 - Ford C4/C6 - Chrysler TF727/904

SN5070 Shift Kit

Fits B&M Pro Ratchet. Unique electrical circuit prevents solenoid activation when in park or neutral. Makes 1-2 and 2-3 shift.



SN5055B Shift Kit

Fits B&M Pro Stick (Ball Knob or Magnum Grip), TCI Outlaw & Thunderstick with Front Exit Cable. Makes 1-2 and 2-3 shift.



SN5055H Shift Kit

Fits Hurst Quarter Stick (Ball Knob or Pistol Grip). Front Exit Cable. Makes 1-2 and 2-3 shift.

Air Shifter Kits

Forward Pattern 2 speed

Powerglide

SA4000 Shift Kit

Fits B&M Pro Stick, Hurst Quarter Stick, TCI Outlaw, and TCI Thunderstick with Front Exit Cable.



SA5400 Shift Kit

Fits B&M Pro Bandit with Standard or Magnum Grip Handle.



SA5100 Complete Shifter

The Callis Machine Works (CMW) slim-line shifter is ideal for dragsters and roadsters. Front Exit Cable design. Rear cable exit conversion available. Uses most standard cables.



Forward Pattern 3 speed

TH350/400 - Ford C4/C6 - Chrysler TF727/904

SA4075 Shift Kit

Fits B&M Pro Ratchet. Includes NC5300 Ultra Shift Controller to prevent shifting into neutral if your RPM switch or timer reactivates after 3rd gear.



Reverse Pattern 3 speed

TH350/400 - Ford C4/C6 - Chrysler TF727/904

SA4080 Shift Kit

Fits Turbo Action Cheetah SCS Shifter. Fits Ford and Chevy. Makes 1-2 and 2-3 shift.



SA4080M Shift Kit

Fits Mopar. Makes 1-2 and 2-3 shift.

SA4070 Shift Kit

Fits B&M Pro Ratchet. Unique electrical circuit prevents solenoid activation when in park or neutral. Makes 1-2 and 2-3 shift.



SA4055 Shift Kit

Fits B&M Pro Stick (Ball Knob or Magnum Grip), Hurst Quarter Stick (Ball Knob or Pistol Grip), TCI Outlaw & Thunderstick with Front Exit Cable. Makes 1-2 and 2-3 shift.



Shifter not included unless otherwise noted. All Shifter Kits require an RPM activated switch, timer or push button to activate. All Air / CO2 shifter kits require a CO2 Bottle and regulator.

Throttle Stops & Starting Line Controls

Control your launch or slow your car down

For the ultimate in starting line RPM or throttle control, a Shifnoid controller gives you the flexibility and consistency needed to maintain control and run the same numbers round after round!

SN8000

The release of a button controls your throttle from a designated pre-set launch RPM to full throttle, all while the gas pedal is on the floor.

SN8500

A thumbwheel adjustable throttle stop or starting line controller that allows you to make easy RPM changes without removing either end of your linkage.

SN8800

A dual controlled and double adjustable throttle stop or starting line controller that allows you to make RPM adjustments without removing the unit from your carburetor. Air driven both directions, with a unique flow control adjustment that allows you to control the opening and closing rate of the cylinder.

CMW 8900

A "Callis Machine Works" dual controlled and double adjustable throttle stop or starting line controller that allows you to make RPM adjustments without removing the unit from your carburetor. A unique parallel adjustment lets you make easy, accurate RPM adjustments with no change to your linkage length. Air driven both directions, with a flow control adjustment that allows you to control the opening and closing rate of the cylinder. Large bore cylinder increases strength for hard to pull linkages, such as tunnel ram and fuel injection systems. Available in 2" or 2.5" stroke lengths.

CMW8900 - 2" Stroke Length

CMW8925 - 2.5" Stroke Length



Transbrake Accessories

Callis Machine Works (CMW)

Air Release Transbrake Solenoids

CMW2PG Fits 2-Speed P/G Transmissions
CMW3GM Fits 3-Speed Turbo Transmissions. Faster than electric solenoid. Continuous duty air valve eliminates heat build up. Keeps release times consistent. Includes all lines and fittings.



Features & Benefits:

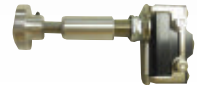
- Faster Than Electric Solenoid
- Continuous Duty Air Valve Means No Heat Build Up
- Keeps Release Times Consistent
- Transmission Heat Does Not Effect Release Time
- Two Wire Set Up For Positive Power and Ground Connection
- Precision Shaft and Seal Prevents Fluid Leaks
- No Rebuilding Needed
- Space Saving 1.5 Inch Diameter
- Less Than 4" Length
- Includes All Lines and Fittings

Transbrake Buttons

SW7300 Large Transbrake Switch with .03 Adjustment
 This large button, easy-to-feel switch has an adjustable delay to meet your needs, and it is ideal for classes of racing that prohibit a delay box. A 7/16" hole size is required for mounting.

SW7200 - same as SW7300

but without large button



SW6500 Quick Release Transbrake Switch

This transbrake switch has a mushroom-style button, and it is quicker than any switch we have tested. A 15/32" hole is required, or the switch can be mounted with bolts.



SW6000 Switch

Heavy duty switch great for use with throttle stops and transbrake.



Electrical Accessories

Ultra Shifter Controller

When used with two RPM switches it will allow you to shift at two different RPM settings. It also solves the problem of an RPM level that does not drop off between shifts, preventing your RPM switch from shutting off and resetting itself for the next shift. This is a common problem when you shift before your converter is tight, allowing the RPM level to continue to climb instead of dropping after the shift.

Also, built into this controller is an RF filter and a voltage regulator for reliability and accuracy. The controller can be wired for 1 or 2 shifts with 1 or 2 RPM switches. This feature will also stop unnecessary reactivation after your shifter is in high gear.

NC5300



Power Distribution Block

Ideal to connect to your main power supply or ground and distribute to eight terminals. The 3/8" post and 8 connection screws are made of stainless steel. Rated up to 48 Volts DC. Base is glass filled nylon. Mounting is 2.5" center to center.

SW8100



High Current Relay

Actuates accessories that draw high current. 12V DC. Single pole/single throw.

SN3850 20/30 amp

SN3875 30/40 amp



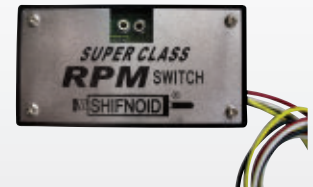
RPM Activated Switch

With shift delay. A patented system which includes a feature to prevent an activation due to a premature RPM climb, commonly due to tire spin or converter flash. Compatible with all ignitions on 8 cylinder engines except magnetos. 4 and 6 cylinder models available by special order.

NCRPM3000

NCRPM1000

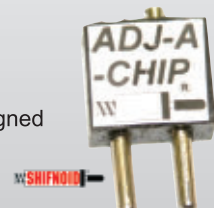
Same as NCRPM3000 but without the delay feature.



ADJ-A-CHIP Adjustable RPM Chip

For 1000 to 10,000 RPM setting. Compatible with any device designed for a chip.

NCRPM4000



CO2 Accessories

3-Way Air Valves

- 3-way normally open/normally closed
 - 3 1/8-27 NPSF ports
 - Non-locking manual override
- PC310



4-Way Air Valves

- 4-way normally open/normally closed
 - 4 1/8-27 NPSF ports: In, Delivery ports 1 and 2, and exhaust
 - Non locking manual override
 - Individual flow controls for each delivery port
- PC410



Electric CO2 Shut Off Valve

Wires into ignition switch shutting off air supply to air components when not in use. Works with single or dual gauge regulators on low pressure side.

PC750



Dual Gauge CO2 Regulator

Adjustable dual gauge with quick connect fitting.

PC2008



Single Gauge CO2 Regulator

Preset at 85 PSI with gauge and quick connect fitting.

PC2004



CO2 Bottle Backup Air Filler

PC1800 Use for unexpected emergencies or full time. This unit allows you to fill your CO2 Bottle with compressed air direct from your air tank or compressor. The only valve on the market that will handle the high pressure when you have CO2 in the bottle. Stays permanently on your regulator for quick, last minute use.

*Regulator & Bottle not included



Adjustable CO2 Regulator with Dual Independent Output

Connect to your Air Shifter, Starting Line Controller, Throttle Stop, Air Transbrake Solenoid or Parachute Launcher and have two independent pressure settings.

Connect to your CO2 Bottle for independently adjustable, dual outputs. Two built in regulators can be set at different pressures to control your CO2 operated devices. Gauges tell your bottle pressure and each output pressure. Multiple NPT outlets allow connection of up to four devices.

PC2012

*Bottle Not Included

Same as Model PC2012 with the addition of a unique compensating feature. Cutting edge technology allows for simultaneous activation without any pressure fluctuation to multiple devices.

PC2014

*Bottle Not Included



CO2 Bottle with Valve

Made from light weight aluminum. DOT certified and two sizes to choose from.

PC2020 - 10 oz. capacity CO2 Bottle with standard valve

PC2022 - 10 oz. capacity CO2 Bottle with PC2015 flow through valve.

PC2030 - 2.5 lb. capacity CO2 Bottle with standard valve

PC2032 - 2.5 lb. capacity CO2 Bottle with PC2017 flow through valve.



CO2 Bottle Mount

PC550 - Billet aluminum mount for standard 2" diameter 10 oz CO2 Bottle. Mounts to roll bar to fit 1 1/4" to 1 3/4" tubing



Straight Through Valve for CO2 Bottles

Replace your heavy V1 or V4 valve with this compact, lightweight valve with shut off knob and pressure rupture disc. Allows you to mount your CO2 regulator vertically.

PC2015- 5/8" - 18NS-2 Threads to screw into your 10 oz. CO2 bottle .825" - 14NGO Outlet threads (Standard) to attach to any CO2 regulator.

PC2017- 3/4" - 16NS-2 Threads to screw into your 2.5 lb. CO2 bottle .825" - 14NGO Outlet threads (Standard) to attach to any CO2 regulator.



Perma-Seal CO2 Outlet Seal

Perma-Seal provides a permanent seal for the connection between your CO2 regulator and bottle valve. No more leaks. No more plastic washers. Works with virtually all CO2 bottle valves.

PC2000



Assorted Fittings



1. "T" 1/4" pipe to 1/4" hose x 2, quick connect PC275
2. "T" 1/8" pipe to 1/4" hose x 2, quick connect PC280
3. Straight fitting, 1/8" pipe to 1/4" hose quick connect PC290
4. Straight fitting, 1/4" pipe to 1/4" hose quick connect PC295
5. 90° swivel fitting, 1/8" pipe to 1/4" hose quick connect PC300
6. 90° swivel fitting, 1/4" pipe to 1/4" hose quick connect PC315
7. "Y" 1/4" hose to 1/4" hose x 2, quick connect PC325
8. "T" 1/4" hose to 1/4" hose x 2, quick connect PC335
9. Breather / Vent (muffler male 1/8" pipe) PC340
10. Pressure rupture disc, female - 13/16" wrench flats PC100
11. Pressure rupture disc, male - 5/8" wrench flats PC110
12. Pressure rupture disc, male - 3/8" wrench flats PC115



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