



CRC Industries NZ, Auckland NZ

## ***I. Product Description***

**CRC GDI INTAKE VALVE CLEANER** removes carbon build-up commonly found on the backs of intake valves in all types of petrol powered engines. **GDI Intake Valve Cleaner** dissolves and lifts deposits from valve stems & tops without the need for top engine disassembly. It achieves this by delivering concentrated advanced COzol® technology directly to the back of intake valves at 150x the concentration of any premium fuel additive.

Deposits are a major concern and form in every fuel system within just 8,000-16,000kms, but the amount and how quickly they form depends on the quality of fuel and oil you use, driving style, and engine type. GDI engine intake valves are prone to rapid deposit buildup and increased operating temperatures because they never get washed with fuel.

**CRC GDI Intake Valve Cleaner** increases power and torque. It cures rough idle, hesitation and stalling and improves airflow and fuel efficiency. **CRC GDI Intake Valve Cleaner** is also effective in standard fuel injected engines. Safe for use on turbos and intercoolers.

**SYMPTOMS:** Hard starts, rough idle, poor acceleration, reduced fuel economy, excess emissions and power loss.

## ***II. Features & Benefits***

- Increases power & torque
- Stabilizes rough idle
- Solves rough starting problems
- Reduces emissions
- Improves fuel economy & km/l
- Safe on turbos & intercoolers
- **Includes Permastraw™ Dual-Action Spray System** - One piece actuator with two-way spray that ensures that straw stays in place. 360° valve for spraying all angles.
- **Use when symptoms above occur** - or every 16,000kms
- Delivers concentrated technology directly to the valves
- Excellent GDI valve deposit removal
- Alleviates hesitation & pining
- Eliminates starting problems
- **Easy to use** - No intake manifold disassembly required
- 150x more concentrated than premium fuel additives.
- Works in Gasoline Direct Injection (GDI) and Standard Fuel Injection engines.

## ***III. Application and Directions***

- Start engine and meet operating temperature.
- Remove air filter cover.
- Locate MAF sensor between the air box and throttle body.
- Engage (lift) the straw on the PermaStraw™ Dual-Action spray system and insert PAST THE MAF SENSOR. To avoid throwing a code, DO NOT spray product in front of the MAF sensor. You may need to disassemble air intake to administer past the MAF sensor.
- With the engine running at 2,000 RPM, spray product into air intake, behind the MAF sensor, continuously for 30 second intervals until can is empty. If necessary, accelerate to avoid engine stalling during spray period. DO NOT exceed 3,500 RPM. Take care not to burn arm or hand on hot engine surfaces while dispensing can.
- Once can is empty, accelerate the engine 2 to 3 times without exceeding 3,500 RPM.
- Run at idle for one minute, then turn engine off.
- Reassemble air intake system and let engine heat-soak for one hour.
- Restart engine and drive at highway speeds for at least 10 minutes.

**FOR MAXIMUM PERFORMANCE.** For the ultimate fuel system cleanup. Use this product in conjunction with CRC 1-Tank Power Renew® Complete Fuel System Cleanup. CRC GDI Intake Valve Cleaner treats the “dry” side of the system to clean tough deposits from intake valves, while CRC 1-Tank Power Renew® treats the “wet” side of the fuel system, resulting in the DEFINITIVE cleanup for your fuel system.



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**IV. Typical Properties and Characteristics****Physical Properties:**

Appearance	Amber Fluid
Flammability	Flammable Aerosol
Specific Gravity	0.87

**V. Package Description**

Part Number	Size
5095	400ml Aerosol + Permastraw™ Dual-Action Spray System

**VI. Special Precautions****General:**

Extremely flammable aerosol. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Use personal protective equipment as required. Dispose of empty containers safely. All unused product should be disposed of in conformance with local and HSNO regulations, do not contaminate water supply.

**Aerosol Cans:**

Do not puncture, incinerate or store above 50°C. Exposure to high temperatures may cause can to burst. Do not place in direct sunlight or near any heat source. Aerosol cans will conduct electricity. Keep away from all live electrical sources including battery terminals, solenoids, electrical panels and other electronic components. Failure to observe this warning may result in serious injury from flash fire and/or electrical shock.

**First Aid:**

Swallowed – Avoid giving milk or oils. Avoid giving alcohol. Not considered a normal route of entry.

Skin – Flush skin and hair with running water (and soap if available). Remove any adhering solids with industrial skin cleansing cream. DO NOT use solvents. Seek medical attention in the event of irritation.

Eyes – Immediately hold the eyelids apart and flush the eye continuously for at least 15 minutes with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Transport to hospital or doctor without delay.

Inhalation – Remove to fresh air. Lay patient down. Keep warm and rested.

Refer to Material Safety Data Sheet for more details.

TECHNICAL DATA SHEET Version 09/2015

**PRODUCT WARRANTY:** CRC offers a conditional warranty of this product for the period of 2 years from the date of manufacture.

**DISCLAIMER:** All information on this data sheet is based on testing by CRC Industries NZ. All products should be tested for suitability on a particular application prior to actual use. CRC Industries makes no representations or warranties of any kind concerning this data.