



## PRODUCT INFORMATION SHEET

### WYNN'S THROTTLE BODY & CARBY CLEANER (AEROSOL)

Product Number: 54240 12 x 400 g

WYNN'S THROTTLE BODY & CARBY CLEANER is professionally formulated to safely blast away gum and varnish from air throttle plates and throttle plate shafts.

Wynn's Throttle Body & Carby Cleaner helps restore engine performance, by quickly removing cylinder carbon, gums and varnishes from the carburettor and air horn assembly, restoring carburettor efficiency without the need to dismantle.

#### Introduction

Wynn's Throttle Body & Carby Cleaner is designed to overcome vehicle deposit problems encountered with today's fuel injected engines operating on unleaded fuel. Engine design changes for better efficiency and lower emissions coupled with typical non-metallic octane enhancers used in unleaded fuel (e.g. olefins, polynuclear aromatics, oxygenates, etc.) lead to increased propensity to form deposits on intake valves, fuel injectors, combustion chambers, and air intake systems.

BMW was a leader in studying problems related to intake valve deposits. Today, many domestic OEM's such as Ford and GM, have recognized similar problems. In U.S.A. the Co-operative Research Council is studying solutions to these problems.

Air intake is critical to proper engine operation. It must be remembered that engines consume roughly 15 litres of air with each litre of fuel. Proper air intake is disturbed by deposits in the air induction system and on intake valves.

Combustion chamber deposits increase a vehicle's octane requirement. Higher octane unleaded fuels use PNA's, olefins, and/or oxygenates to achieve higher octane values. However, these same components lead to more combustion chamber deposits, and the engines appetite for octane increases further. Octane Requirement Increase (ORI) leads to annoying knocking and pinging (which can cause damage to cylinder heads in extreme situations) and reduced power on demand, particularly in vehicles equipped with knock-sensors that retard spark timing upon sensing knock.

Fuel injector flow problems from deposits lead to uneven distribution of fuel and overall performance deteriorates. This has been a field problem since the mid-1980's. This combination of fuel system deposits causes poor driveability, hesitation, stalling, reduced power, poor fuel economy, and poor overall performance. If a regular engine

tune-up is performed without addressing fuel system deposits, the customer may not be satisfied with the maintenance performed.

World-wide field experience with Wynn's Throttle Body & Carby Cleaner strongly indicates that its use, either in conjunction with a regular engine tune-up or on its own, provides a significant difference in vehicle performance that the customer can feel, and greatly enhances customer satisfaction with the workshop service performed.

Wynn's Throttle Body & Carby Cleaner removes and dissolves fuel system deposits found on: intake valves; fuel injectors; air intake systems; manifolds; combustion chambers; and throttle bodies.

Wynn's Throttle Body & Carby Cleaner can be used either in conjunction with regularly scheduled engine tune ups, or on its own, to restore fuel system-related vehicle driveability performance, power and acceleration performance, low emissions, optimal fuel economy, and lower octane requirement to improve customer satisfaction.

### Advantages

Wynn's Throttle Body & Carby Cleaner cleans away gum and varnish for smoother idling.

Wynn's Throttle Body & Carby Cleaner lubricates computer-controlled air-intake system components and protects against rust and corrosion.

Wynn's Throttle Body & Carby Cleaner improves air flow for smoother idling and also restores lost fuel efficiency from throttle plate deposits.

Wynn's Throttle Body & Carby Cleaner cleans valves on direct application to help correct rough idling and deposit-caused stalling.

A carburettor cleaned with Wynn's Throttle Body & Carby Cleaner, runs more efficiently and promotes maximum fuel economy.

Wynn's Throttle Body & Carby Cleaner works on carburettors, automatic chokes and positive crankcase ventilator (PCV) valves, in all two and four cycle petrol engines.

The jet spray action of Wynn's Throttle Body & Carby Cleaner blasts away gum, varnish, sludge and dirt to improve carburettor performance.

### Benefits

Wynn's Throttle Body & Carby Cleaner is professionally formulated to provide the following benefits:

- Cleans air throttle plates and throttle plate shafts.
- Safely blasts away gum and varnish deposits.
- Improves air flow for smoother idling.
- Restores fuel economy.

- Lubricates air-intake throttle plates.
- Protects against rust and corrosion.
- Stops engine knock and run-on.
- Reduces exhaust emissions and octane requirement.
- Dissolves and removes external and internal carburettor deposits.
- Restores proper carburettor operation and efficiency.
- Frees sticking automatic choke assemblies.
- Cleans positive crankcase ventilating valves.
- Assures proper air/fuel ratios.
- Eliminates engine surging, stalling and hesitation.
- Restores lost power.
- Contains no CFC's which have been proven to be harmful to the ozone layer.
- Safe for oxygen sensors and catalytic convertors.

### Directions

Wynn's Throttle Body & Carby Cleaner is ideal for cars, trucks, tractors, earthmoving equipment and farm machinery. Shake the aerosol can well before use. Run engine to normal operating temperature. Turn off engine.

- **THROTTLE BODY APPLICATION**  
Disconnect air intake duct tube from throttle body. Place rag under throttle body to collect cleaner run-off. Spray into air intake throat, working throttle butterfly back and forth. Remove rag and start engine. Spray into the throttle body using short sprays while engine is idling. Turn off engine and replace air inlet duct. Drive vehicle immediately.
- **CARBURETTOR APPLICATION**  
Remove air cleaner from carburettor. Spray all exposed surfaces in the carburettor and air horn assembly. Start engine. Spray into float chamber vent whilst revving the engine. Stop engine. Spray the exterior of the carburettor. Replace the air cleaner.

The aerosol can of Wynns Throttle Body & Carby Cleaner is fitted with an upside-down spray valve. To apply the product in the upside down position, do not invert the aerosol can whilst spraying. To activate the spray valve for the inverted position, firstly stop spraying, invert the can and then commence spraying after a few seconds in the inverted position.

Do not spray Wynn's Throttle Body & Carby Cleaner on painted surfaces. If accidentally sprayed on paint, wash off immediately with water. Avoid prolonged contact with rubber and plastic components.

Do not spray or store Wynn's Throttle Body & Carby Cleaner near sparks, heat, or open flames. Keep area ventilated during use.

### Caution

The aerosol can is pressurised and highly flammable. Do not use near fire or flame. Do not incinerate or puncture the aerosol can, even when empty. The aerosol can should be completely empty before disposal. Recycle aerosol can if facility is available or place used can in with household rubbish.

Keep Wynn's Throttle Body & Carby Cleaner in a cool place out of the sun. Do not store above 50°C.

### Warning

Keep out of reach of children. Intentional misuse by deliberately concentrating and inhaling contents of aerosol can, can be harmful or fatal. Keep spray from aerosol can away from eyes. If swallowed, seek medical advice. For further information, refer to Material Safety Data Sheet.

### Safety Directions

Avoid contact with eyes and skin. Avoid breathing vapour or spray mist. Use only in well ventilated areas. If swallowed, do NOT induce vomiting. Flush mouth with water. Contact a doctor or Poisons Information Centre.

### Typical characteristics

Appearance	Clear Thin Liquid
Colour	Light Amber
Density @ 15°C	0.771 (ASTM D 4052)
Density @ 15°C	0.857 (Concentrate) ASTM D 4052
Flash Point (°C) PMCC	-5 (Concentrate) ASTM D93
Boiling Point (°C)	56 (Concentrate)
Propellant	Butane/Propane
Volatiles (% volume)	94.6