MOC PRODUCTS

OPTIMIZER™

AUTOMOTIVE ADDITIVES & LUBRICANTS - #1650

OUTSTANDING FEATURES

- Foaming action loosens and removes stubborn carbon.
- No equipment, shop air or electricity necessary.
- Will not harm catalytic converter or oxygen sensor.
- Restores engine performance.
- Designed for "hard-to-fix" problem areas

DESCRIPTION

A unique foaming aerosol cleaner designed to remove carbon and other deposits in the fuel induction system. The blend of solvents and cleaners is specifically designed to address "hard-to-fix" problem areas. Removing carbon from intake valves and combustion chambers can help eliminate cold-starts, hesitation and other drivability problems. The product contains no alcohol and will not harm seals, oxygen sensors or catalytic converters. ***Optimizer™*** can be used on all gasoline or diesel engines. It is highly effective as a solution for carbon buildup problems on direct-injected engines. ***Optimizer™*** can be used in conjunction with ***Fuel-System Flush #01271 and Throttle-Body & Air-Intake Cleaner #10431 or Premium Throttle-Body & Air-Intake Cleaner #10131*** to provide a complete cleaning process for the entire fuel system.

APPLICATION

Shake well before using. ***Gasoline Engines*** – ***1. Option A:*** For manifold/vacuum line application, locate an air-intake (manifold) vacuum line that most evenly feeds all cylinders. Insert extension tip of product outlet tube into the vacuum line. ***Option B:*** For throttle body application, disconnect air-intake tube (boot) at entrance of throttle body. Attach S-Tool Intake Adapter (Part #75490) around the opening of air-intake tube. Reattach air-intake tube to throttle body. Attach product outlet tube to the S-Tool Adapter. ***2.*** Start engine and allow it to run until it reaches operating temperature. Set engine at 2000 rpm. ***3.*** Evacuate product until can is empty. Avoid stalling the engine by reducing the flow of product if the engine starts to "sputter." IMPORTANT! If engine stalls during application, stop evacuating the can and turn the crankshaft over several times before restarting the engine. ***4.*** When the can is empty, remove any tools, reconnect the vacuum line or air-intake tube, and drive vehicle for 5 to 10 minutes before turning the engine off. Next, the throttle body is thoroughly cleaned using either the ***Throttle-Body & Air-Intake Cleaner #10431 or Premium Throttle-Body & Air-Intake Cleaner #10131***. ***Diesel Engines*** – Refer to instructions supplied with the corresponding MOC® adapter tool being used to inject ***Optimizer™*** into the fuel system.

SPECIFICATIONS

Test	ASTM Method	Typical Results
Appearance	-	Hazy Foam
Color	-	Amber
Odor	-	Solvent
Specific Gravity @ 68°F (liquid portion)	D1298	.093
Density, U.S. (lbs/gal) @ 68°F	D1250	7.76
Aerosol Flammability, NFPA 30B	-	Level 2 Aerosol
% VOC	-	52.7

PACKAGING

Fill: 13 oz ***Case Quantity:*** 12 Cans ***Case Weight:*** 11 lbs.

