



Ford Motor Company

The following products are used for carbon deposit removal and control in the Ford 6.0 Powerstroke engine:

BG Diesel ISC® Induction System Cleaner,™ Part No. 255

BG 109 Compression Performance Restoration, Part No. 109

BG Throttle Body & Intake Cleaner, Part No. 406

BG Diesel Induction Service Tool Set, Part No. 9255

BG 244 diesel fuel injector cleaner, Part No. 244

BG DOC Diesel Oil Conditioner, Part No. 112

BG Diesel Care Injection Cleaner, Part No. 229



General Motors

has approved use of:

BG PF4 Coolant Transfusion System





Volkswagen/Audi (U.S.A.)

to clean sludge accumulation, has mandated the use of:

BG Dynamic Engine Cleaner, Part No. 103

BG Dynamic Engine Cleaning Tool, Part No. 9850

Volkswagen/Audi Mexico

to clean sludge accumulation, has mandated the use of:

BG Dynamic Engine Cleaner, Part No. 103

BG Dynamic Engine Cleaning Tool, Part No. 9850

and has approved use of:

BG MOA[®] oil conditioner, Part No. 110

BG CF5[®] fuel supplement, Part No. 203

BG 109 Compression Performance Restoration, Part No. 109

Volkswagen/Turkey

and has approved use of:

BG Quick Clean for Engines, Part No. 105

BG MOA[®] oil conditioner, Part No. 110

BG CF5[®] fuel supplement, Part No. 203

BG 44K[®] Power Enhancer[®] fuel treatment, Part No. 208

BG ISC[®] Induction System Cleaner,[®] Part No. 211





Volkswagen France

has approved use of:

BG Quick Clean for Engines, Part No. 105

BG RF-7 Oil Treatment, Part No. 107

BG MOA[®] oil conditioner, Part No. 110

BG DOC Diesel Oil Conditioner, Part No. 112

BG CF5[®] fuel supplement, Part No. 203

BG Air Intake System Cleaner, Part No. 206

BG 44K[®] Power Enhancer[®] fuel treatment, Part No. 208

BG Fuel Injection System Cleaner, Part No. 210

BG ISC[®] Induction System Cleaner,[®] Part No. 211

BG Diesel Care Injection Cleaner, Part No. 229

BG 244 diesel fuel injector cleaner, Part No. 244

BG Fuel System Drier, Part No. 280

BG Throttle Body & Intake Cleaner, Part No. 406

BG In-Force penetrating oil, Part No. 438

BG Universal Cooling System Sealer, Part No. 511

BG Stop Squeal, Part No. 860

BG Diesel Fuel Conditioner with DPL, Part No. 227

BG VIA[™] Vehicle Induction Apparatus, Part No. 9210





American Suzuki Motor Corporation

recommends:

BG 44K® Power Enhancer® fuel treatment, Part No. 208

BG 109 Compression Performance Restoration, Part No. 109



Porsche

recommends:

BG 44K® Power Enhancer® fuel treatment, Part No. 208

BG Fuel Injection System Cleaner, Part No. 210





*In Service Circulars # D-44/2003 and # N02/2007, Maruti Suzuki
has approved the following for use in Suzuki vehicles:*

Brake Service

- BG Brake Lube, Part No. 608BK
- BG Stop Squeal, Part No. 860
- BG 401 Brake and Contact Cleaner, Part No. 401
- BG PF9 Brake Service System (replaced by BG 940 Brake Service System)

Gears

- BG MGC[®] Multi Gear Concentrate, Part No. 325
- BG 939 Drive Line Service Center

Fuel Induction Service

- BG 44K[®] Power Enhancer[®] fuel treatment, Part No. 208
- BG Fuel Injection System Cleaner, Part No. 210
- BG Air Intake System Cleaner, Part No. 206
- BG MOA[®] oil conditioner, Part No. 110
- BG Diesel Care Injection Cleaner, Part No. 229
- BG Supercharge[®] II fuel treatment, Part No. 202
- BG CF5[®] fuel supplement, Part No. 203
- BG Fuel System Drier, Part No. 280
- BG 9210 Inject-A-Flush[®] Apparatus
- BG 9206 AIS Cleaning Tool

Engine Decarbonizing Service

- BG RF-7 Oil Treatment, Part No. 107
- BG Throttle Body & Intake Cleaner, Part No. 406
- BG Quick Clean for Engines, Part No. 105

Power Steering Service

- BG Power Steering Conditioner, Part No. 330
- BG Quick Clean for Power Steering, Part No. 108

Cooling System Service

- BG CT2 Coolant Transfusion System
- BG BG Universal Super Cool,[®] Part No. 546
- BG Universal Cooling System Cleaner, Part No. 540

Air Conditioning Service

- BG Frigi-Fresh,[®] Part No. 708





Nissan Colombia

has approved the following for all dealers in Colombia:

BG 44K[®] Power Enhancer[®] fuel treatment, Part No. 208

BG Fuel Injection System Cleaner, Part No. 210

BG Diesel Care Injection Cleaner, Part No. 229

BG Diesel Fuel Conditioner with DPL, Part No. 227

BG Quick Clean for Engines, Part No. 105

BG RF-7 Oil Treatment, Part No. 107

BG Non-Chlorinated Brake Cleaner, Part No. 403

BG Throttle Body & Intake Cleaner, Part No. 406

BG Inject-A-Flush[®] for Diesels, Part No. 9700

BG VIA[™] Vehicle Induction Apparatus, Part No. 9210





TATA Motors LTD

In Sr. No 161, recommended the following products and services:

Fuel Induction and Decarbonizing Service

BG 44K® Power Enhancer® fuel treatment, Part No. 208

BG Fuel Injection System Cleaner, Part No. 210

BG Air Intake System Cleaner, Part No. 206

BG Diesel Care Injection Cleaner, Part No. 229

BG 244 diesel fuel injector cleaner, Part No. 244

BG Inject-A-Flush® for Diesels, Part No. 9700-500

BG 9210 Inject-A-Flush® Apparatus, Part No. 9210

BG AIS Cleaning Tool, Part No. 9206

Engine Flushing Service

BG Quick Clean for Engines, Part No. 105

BG RF-7 Oil Treatment, Part No. 107

Cooling System Service

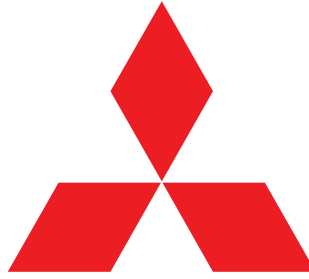
BG Universal Cooling System Cleaner, Part No. 540

BG Universal Cooling System Sealer, Part No. 511

Transmission System Service

BG MGC® Multi Gear Concentrate, Part No. 325





Mitsubishi FUSO

has approved the use of:

Description	BG Part No.	Mitsubishi Fuso Part No.
BG Diesel Care Injection Cleaner	229	MH063692
BG 244 diesel fuel injector cleaner	244	MH063693
BG Inject-A-Flush® for Diesels	9700	MH063694
BG 9700-020 1.2" 5-Micron Filter	9700-020	MH063695

for injector deposit cleaning and control with no-fault testing performed by Bosch.



BMW

BG 207 Deposit Control Fuel Treatment, Part No. 207

has passed the BMW intake valve deposit test.





Yamaha Motor Corporation, U.S.A.

has approved use of:

BG VIA™ Vehicle Induction Apparatus, Part No. 9210

BG AIS Cleaning Tool, Part No. 9206



Jaguar

has approved the use of:

BG Air Intake System Cleaner, Part No. 206

BG VIA™ Vehicle Induction Apparatus, Part No. 9210

BG AIS Cleaning Tool, Part No. 9206





Federal Bureau of Investigation (FBI)

has been using the following products:

BG PF5 Power Flush and Fluid Exchange System

BG CT2 and CT4 Coolant Transfusion Systems

BG Power Steering Service Center, Part No. 937

BG 9210 Inject-A-Flush® Apparatus

BG Universal Synthetic ATF, Part No. 312

BG Supercharge® II fuel treatment, Part No. 202

BG 44K® Power Enhancer® fuel treatment, Part No. 208

BG MOA® oil conditioner, Part No. 110





United States Secret Service

has been using the following products:

BG 44K® Power Enhancer® fuel treatment, Part No. 208

BG MOA® oil conditioner, Part No. 110

BG Ultra Guard™ Heavy Duty synthetic gear oil, Part No. 752

BG ATC Plus Automatic Transmission Conditioner, Part No. 310

BG Quick Clean for Automatic Transmissions, Part No. 106

BG Universal Cooling System Sealer, Part No. 511

BG Universal Super Cool® coolant conditioner, Part No. 546

BG Universal Cooling System Cleaner, Part No. 540

BG 209 Fuel Induction System Cleaner, Part No. 209

BG Throttle Body & Intake Cleaner, Part No. 406

BG Inject-A-Flush® Injector Cleaner, Part No. 408

BG Inject-A-Flush® Apparatus, Part No. 908





The Denver Police Department

has improved performance and reduced down-time with:

BG 44K® Power Enhancer® fuel treatment, Part No. 208

BG MOA® oil conditioner, Part No. 110

BG 209 Fuel Induction System Cleaner, Part No. 209

BG Throttle Body & Intake Cleaner, Part No. 406

BG Inject-A-Flush® Injector Cleaner, Part No. 408

BG 908 Inject-A-Flush® Apparatus, Part No. 908T

BG Fuel Injection System Cleaner, Part No. 210

BG ISC® Induction System Cleaner,™ Part No. 211

BG In-Force penetrating oil, Part No. 438

BG HCF Waterproof Spray Lubricant, Part No. 498





City of Chicago Ambulance Division

is using the following products:

BG Diesel ISC® Induction System Cleaner,™ Part No. 255

BG 244 diesel fuel injection cleaner, Part No. 244

BG Diesel Care Injection Cleaner, Part No. 229

BG 109 Compression Performance Restoration, Part No. 109

BG DOC Diesel Oil Conditioner, Part No. 112

BG Quick Clean for Automatic Transmissions, Part No. 106

BG ATC Plus Automatic Transmission Conditioner, Part No. 310





The Oklahoma State Highway Department

treats their fuel with:

BG DFC Plus Diesel Fuel Conditioner, Part No. 230

BG Supercharge® II fuel treatment, Part No. 202

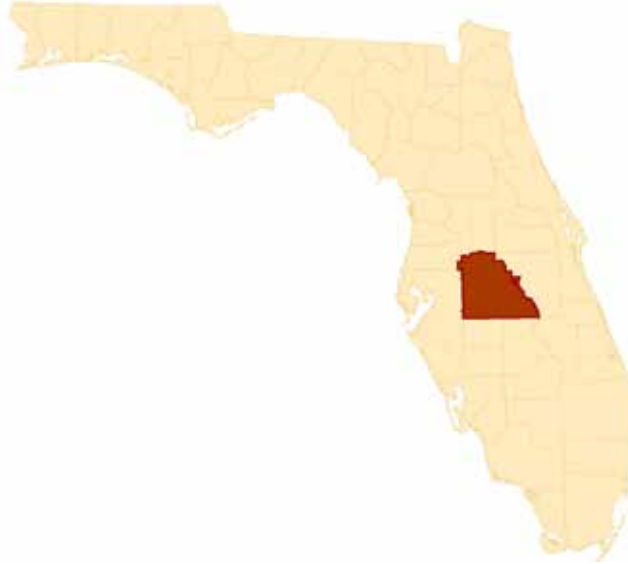


Collier County Florida

treats its diesel fuel in bulk using:

BG Diesel Fuel Conditioner with DPL, Part No. 227





Polk County, Florida

maintains its diesel engines with:

BG Inject-a-Flush® for Diesels, Part No. 9700

BG 244 diesel fuel injector cleaner, Part No. 244

BG Diesel Care Injection Cleaner, Part No. 229

cleans its fuel/air induction systems with:

BG 44K® Power Enhancer® fuel treatment, Part No. 208

BG Air Intake System Cleaner, Part No. 206

BG Fuel Injection System Cleaner, Part No. 210

maintains its transmissions with:

BG PF5 Power Flush and Fluid Exchange System

BG ATC Plus Automatic Transmission Conditioner, Part No. 310

BG Quick Clean for Automatic Transmissions, Part No. 106





Frehner Construction of Las Vegas, Nevada

saved more than 90% on maintenance costs using:

BG Premium Lubricating Grease with RF-7, Part No. 600

BG SLC Multi-Purpose Grease, Part No. 607



Henderson Mine and Mill in Colorado

has reduced downtime for their huge dump trucks using:

BG Big Dawg® High Capacity Flush and Fluid Exchange System

BG ATC Plus Automatic Transmission Conditioner, Part No. 310

BG Quick Clean for Automatic Transmissions, Part No. 106





Kansas Agricultural Industry

During Kansas harvest, farmers with combines and other heavy equipment dramatically improved efficiency and reduced down time using:

BG CT6 Large Capacity Coolant Transfusion System

BG Universal Cooling System Cleaner, Part No. 540

BG Universal Super Cool® coolant conditioner, Part No. 546

BG Inject-A-Flush® for Diesels, Part No. 9700

BG Diesel Care Injection Cleaner, Part No. 229

BG 244 diesel fuel injector cleaner, Part No. 244





Colorado Ski Resorts

*reduced maintenance by two-thirds on their Snow Cats
and kept them running in extreme wet and cold using:*

BG Ultra Guard™ Heavy Duty synthetic gear oil, Part No. 752

BG SS 2000 Lubricating Grease, Part No. 608





Mercedes-Benz of Austin, Texas

uses the following products and services:

BG 44K® Power Enhancer® fuel treatment, Part No. 208
BG MOA® oil conditioner, Part No. 110
BG Universal Synthetic ATF, Part No. 312
BG Fuel System Drier, Part No. 280
BG LSII Limited Slip Axle Additive Concentrate, Part No. 328
BG Ultra-Guard™ Heavy Duty synthetic gear oil, Part No. 752
BG Quick Clean for Engines, Part No. 105
BG Supercharge® II fuel treatment, Part No. 202
BG Fuel Injection System Cleaner, Part No. 210
BG Engine Purge, Part No. 120
BG Universal Cooling System Cleaner, Part No. 540
BG Universal Super Cool® coolant conditioner, Part No. 546
BG Quick Clean for Power Steering, Part No. 108
BG Power Clean power steering fluid, Part No. 332
BG Universal Synthetic Power Steering Fluid, Part No. 334
BG Quick Clean for Automatic Transmissions, Part No. 106
BG ATC Plus Automatic Transmission Conditioner, Part No. 310
BG Brake Lube, Part No. 608BK
BG Stop Squeal, Part No. 860
BG Power Steering Service Center, Part No. 937
BG Drive Line Service Center, Part No. 938
BG CT2 Coolant Transfusion System
BG PF5HO 12Q Power Flush and Fluid Exchange System
BG 9210 Inject-A-Flush® Apparatus





Car Javi, Poland

uses the following products:

BG 44K® Power Enhancer® fuel treatment, Part No. 208

BG CF5® fuel supplement, Part No. 203

BG Air Intake System Cleaner, Part No. 206

BG Fuel Injection System Cleaner, Part No. 210

BG Diesel Care Injection Cleaner, Part No. 229

BG 244 diesel fuel injector cleaner, Part No. 244

BG 109 Compression Performance Restoration, Part No. 109

BG MOA® oil conditioner, Part No. 110

BG DOC Diesel Oil Conditioner, Part No. 112

BG 248 Maximum Diesel Performance, Part No. 248

BG Throttle Body & Intake Cleaner, Part No. 406

BG Inject-A-Flush® for Diesels, Part No. 9700

BG VIA™ Vehicle Induction Apparatus, Part No. 9210





Metrocar, Ecuador

uses the following products:

BG Fuel Injection System Cleaner, Part No. 210

BG Diesel Care Injection Cleaner, Part No. 229

BG Diesel Fuel Conditioner with DPL, Part No. 227

BG Throttle Body & Intake Cleaner, Part No. 406

BG Inject-A-Flush® for Diesels, Part No. 9700

BG VIA™ Vehicle Induction Apparatus, Part No. 9210





Super Servicio, Costa Rica

uses the following products:

- BG 44K[®] Power Enhancer[®] fuel treatment, Part No. 208
- BG Air Intake System Cleaner, Part No. 206
- BG CF5[®] fuel supplement, Part No. 203
- BG Fuel Injection System Cleaner, Part No. 210
- BG ISC[®] Induction System Cleaner,[™] Part No. 211
- BG Throttle Body & Intake Cleaner, Part No. 406
- BG MOA[®] oil conditioner, Part No. 110
- BG 109 Compression Performance Restoration, Part No. 109
- BG Diesel Care Injection Cleaner, Part No. 229
- BG DOC Diesel Oil Conditioner, Part No. 112
- BG 248 Maximum Diesel Performance, Part No. 248
- BG 244, Part No. 244
- BG Quick Clean for Automatic Transmissions, Part No. 106
- BG ATC Plus, Part No. 310
- BG Quick Clean for Power Steering, Part No. 108
- BG Power Clean for Power Steering, Part No. 332
- BG Brake Lube, Part No. 608BK
- BG Stop Squeal, Part No. 860
- BG Frigi-Clean,[®] Part No. 709
- BG VIA[™] Vehicle Injection Apparatus, Part No. 9210LBC
- BG Inject-A-Flush[®] for Diesels, Part No. 9700-500
- BG PF5 Power Flush and Fluid Exchange System, Part No. PF5
- BG Power Steering Service Center, Part No. 937





Garaje Isla Verde, Puerto Rico

uses the following products:

BG 44K[®] Power Enhancer[®] fuel treatment, Part No. 208
BG Air Intake System Cleaner, Part No. 206
BG CF5[®] fuel supplement, Part No. 203
BG Fuel Injection System Cleaner, Part No. 210
BG MOA[®] oil conditioner, Part No. 110
BG 109 Compression Performance Restoration, Part No. 109
BG Diesel Care Injection Cleaner, Part No. 229
BG DOC Diesel Oil Conditioner, Part No. 112
BG 248 Maximum Diesel Performance, Part No. 248
BG 244, Part No. 244
BG Universal Cooling System Sealer, Part No. 511
BG Universal Cooling System Cleaner, Part No. 540
BG Universal Super Cool,[®] Part No. 546
BG Quick Clean for Automatic Transmissions, Part No. 106
BG ATC Plus, Part No. 310
BG Universal Synthetic ATF, Part No. 312
BG Ultra-Guard[™] All-Purpose Synthetic Gear Lubricant, Part No. 750
BG Syncro Shift[®] II, Part No. 792
BG LSII Limited Slip Axle Additive Concentrate, Part No. 328
BG Quick Clean for Power Steering, Part No. 108
BG Universal Synthetic Power Steering Fluid, Part No. 334
BG Brake Lube, Part No. 608BK
BG Stop Squeal, Part No. 860
BG 403 Non-Chlorinated Brake Cleaner, Part No. 403
BG Super DOT 4 Brake Fluid Ultra-Dry Flushing Formula, Part No. 835
BG Universal Frigi-Quiet,[®] Part No. 701
BG Frigi-Clean,[®] Part No. 709
BG Universal Frigi-Charge,[®] Part No. 704
BG Battery Cleaner & Leak Detector, Part No. 885
BG Battery Terminal Protectors, Part No. 985
BG In-Force, Part No. 4387
BG VIA[™] Vehicle Injection Apparatus, Part No. 9210LBC
BG Performance Oil Changer Complete Kit, Part No. 9800-500
BG Inject-A-Flush[®] for Diesels, Part No. 9700-500
BG CT2 Coolant Transfusion System, Part No. CT2
BG PF5 Power Flush and Fluid Exchange System, Part No. PF5
BG Power Steering Service Center, Part No. 937
BG 939 Drive Line Service Center, Part No. 939
BG PF7 Brake Service System, Part No. PF7



Irenesa, Chile

uses the following products:

BG VIA™ Vehicle Injection Apparatus, Part No. 9210LBC
BG Performance Oil Changer Complete Kit, Part No. 9800-500
BG Inject-A-Flush® for Diesels, Part No. 9700-500
BG CT2 Coolant Transfusion System, Part No. CT2
BG PF5 Power Flush and Fluid Exchange System, Part No. PF5
BG Power Steering Service Center, Part No. 937
BG 939 Drive Line Service Center, Part No. 939
BG PF7 Brake Service System, Part No. PF7
BG 44K® Power Enhancer® fuel treatment, Part No. 208
BG Air Intake System Cleaner, Part No. 206
BG CF5® fuel supplement, Part No. 203
BG Fuel Injection System Cleaner, Part No. 210
BG Throttle Body & Intake Cleaner, Part No. 406
BG MOA® oil conditioner, Part No. 110
BG 109 Compression Performance Restoration, Part No. 109
BG Diesel Care Injection Cleaner, Part No. 229
BG DOC Diesel Oil Conditioner, Part No. 112
BG 248 Maximum Diesel Performance, Part No. 248
BG 244, Part No. 244
BG Universal Cooling System Sealer, Part No. 511
BG Universal Cooling System Cleaner, Part No. 540
BG Universal Super Cool,® Part No. 546
BG Quick Clean for Automatic Transmissions, Part No. 106
BG ATC Plus, Part No. 310
BG Universal Synthetic ATF, Part No. 312
BG Ultra-Guard™ All-Purpose Synthetic Gear Lubricant, Part No. 750
BG Ultra-Guard™ Heavy Duty, Part No. 752
BG Syncro Shift® II, Part No. 792
BG MGC® Multi-Gear Concentrate, Part No. 325
BG LSII Limited Slip Axle Additive Concentrate, Part No. 328
BG Quick Clean for Power Steering, Part No. 108
BG Power Clean for Power Steering, Part No. 332
BG Brake Lube, Part No. 608BK
BG Stop Squeal, Part No. 860
BG 403 Non-Chlorinated Brake Cleaner, Part No. 403
BG DOT 4 Brake Fluid Ultra-Dry Flushing Formula, Part No. 840
BG DOT 3 Brake Fluid Ultra-Dry Flushing Formula, Part No. 850
BG Universal Frigi-Quiet,® Part No. 701
BG Frigi-Fresh,® Part No. 708
BG Frigi-Clean,® Part No. 709
BG Universal Frigi-Charge,® Part No. 704
BG Battery Cleaner & Leak Detector, Part No. 885
BG Battery Terminal Protectors, Part No. 985
BG Battery Terminal Protectors, Part No. 986
BG In-Force, Part No. 438





Toyota Fame Perisur, Mexico

uses the following products:

- BG 44K® Power Enhancer® fuel treatment, Part No. 208
- BG Air Intake System Cleaner, Part No. 206
- BG CF5® fuel supplement, Part No. 203
- BG Fuel Injection System Cleaner, Part No. 210
- BG MOA® oil conditioner, Part No. 110
- BG 109 Compression Performance Restoration, Part No. 109
- BG Universal Cooling System Cleaner, Part No. 540
- BG Universal Super Cool®, Part No. 546
- BG Quick Clean for Automatic Transmissions, Part No. 106
- BG ATC Plus, Part No. 310
- BG Universal Synthetic ATF, Part No. 312
- BG Ultra-Guard™ All-Purpose Synthetic Gear Lubricant, Part No. 750
- BG Syncro Shift® II, Part No. 792
- BG MGC® Multi-Gear Concentrate, Part No. 325
- BG LSII Limited Slip Axle Additive Concentrate, Part No. 328
- BG Quick Clean for Power Steering, Part No. 108
- BG Power Clean for Power Steering, Part No. 332
- BG Brake Lube, Part No. 608BK
- BG Stop Squeal, Part No. 860
- BG 403 Non-Chlorinated Brake Cleaner, Part No. 403
- BG DOT 4 Brake Fluid Ultra-Dry Flushing Formula, Part No. 840
- BG Universal Frigi-Quiet®, Part No. 701
- BG Frigi-Fresh®, Part No. 708
- BG Frigi-Clean®, Part No. 709
- BG Universal Frigi-Charge®, Part No. 704
- BG Battery Cleaner & Leak Detector, Part No. 885
- BG Battery Terminal Protectors, Part No. 985
- BG In-Force, Part No. 438
- BG VIA™ Vehicle Injection Apparatus, Part No. 9210LBC
- BG Performance Oil Changer Complete Kit, Part No. 9800-500
- BG Inject-A-Flush® for Diesels, Part No. 9700-500
- BG CT2 Coolant Transfusion System, Part No. CT2
- BG PF5 Power Flush and Fluid Exchange System, Part No. PF5
- BG Power Steering Service Center, Part No. 937
- BG 939 Drive Line Service Center, Part No. 939
- BG PF7 Brake Service System, Part No. PF7





United States Air Force

has approved the use of:

BG Fuel Injection System Cleaner, Part No. 210

BG 44K[®] Power Enhancer[®] fuel treatment, Part No. 208

BG Throttle Body & Intake Cleaner, Part No. 406

BG 9210 Inject-A-Flush[®] Apparatus





In 2002, International Trucks created the 6.0L Ford PowerStroke® engine with hydraulic injectors. It built a reputation as one of the most powerful performers in the light-duty diesel market, plus it's quiet and clean! Unfortunately, the Ford 6.0L PowerStroke® is highly susceptible to carbon deposits in its EGR and air intake system. In less than 20,000 miles/32,000 km, carbon buildup has the potential to completely plug the EGR.

In addition, the high soot content of the diesel engine oil plugs the oil passages causing the injector to misfire. This aggravates existing driveability problems of rough idling, hard starting and poor fuel economy.

Until now, the only way to clean the exhaust and fresh air passages was to physically remove the engine components and have them steam-cleaned. This process is costly and inconvenient and, as a result, rarely performed.

BG technicians analyzed the problem and created a solution. Unparalleled by any other diesel service, the BG Diesel Induction Service chemically cleans each component and completely restores the vehicle to peak performance... without engine tear down! This service moves BG Diesel ISC® Induction System Cleaner,™ Part No. 25532, through the EGR runners and cavities as well as the air intake. BG 109 Compression Performance Restoration, Part No. 10932, is added to the engine oil while the induction service is being performed to clear the oil passages of the hydraulic injectors and restore performance.

Then, the EGR valve is thoroughly cleaned with BG Throttle Body & Intake Cleaner, Part No. 406.

Using exclusive BG tools and products, the BG Diesel Induction Service decreases rough idle, engine stalling, hard starts and hesitation, while increasing vehicle power. As a preventive maintenance, this service is proven to decrease emissions, restore fuel efficiency and engine performance.

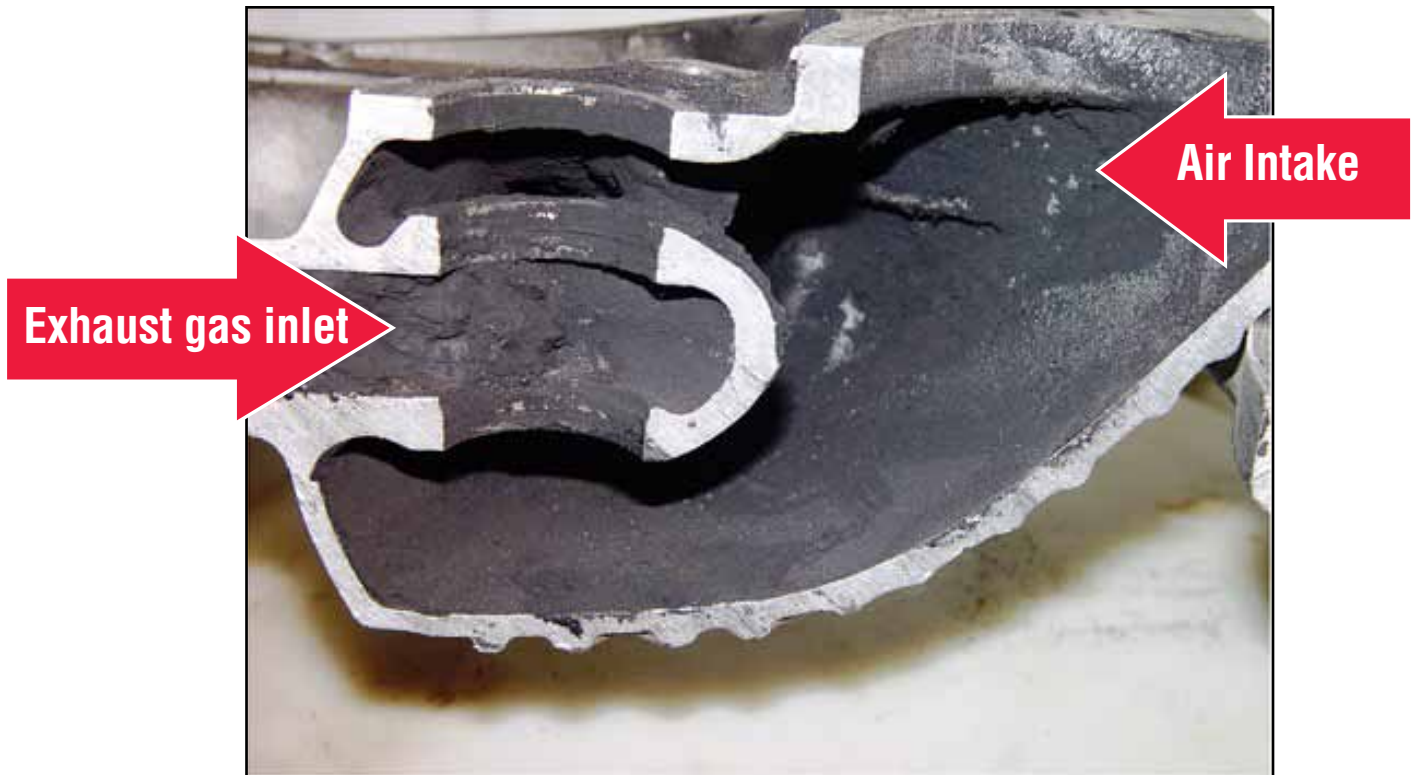
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THE PROBLEM

Deposit buildup robs power.

The exhaust gas in diesel engines produces a considerable amount of deposit-forming soot that clogs EGR passageways and the air intake manifold.



Cutaway view of EGR passageways



THE PROBLEM

Conventional Repair

Remove and replace EGR valve.

Raise RPM to blow out carbon chunks.

Hope for the best . . .



Ford 6.0L Intake Manifold

Metro Ambulance Fleet (Ford 6.0L Engines)

EGR replaced the first time at 8,000 miles/13,000 km

Replaced the second at 14,000 miles/23,000 km (6,000 miles/10,000 km later)

Replaced the third time at 18,000 miles/29,000 km (4,000 miles/6,000 km later)

EGR valve



THE SOLUTION

BG Diesel Induction Service



BG Diesel Induction Service Tool Set, Part No. 9255-500



It's all about the fluids!



THE SOLUTION

Deposit removal from EGR passageways and air intake manifold.



First, the EGR port is cleaned...



...then deposits are removed from the air intake manifold.



Deposit buildup in EGR assembly



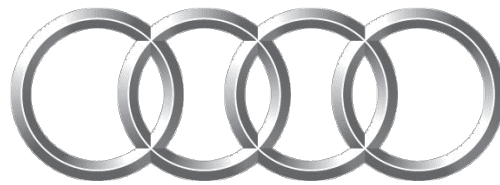
Deposits removed after service

FEATURES: Cleans carbon deposits in the air intake system. Increases air intake flow.
Removes deposits from EGR passages.

BENEFITS: Increases power output and responsiveness. Restores fuel economy.
Lowers exhaust emissions.



Volkswagen/Audi & BG Dynamic Engine Cleaning Service



The European carmaker Volkswagen/Audi was facing a sludge problem resulting in \$4.4 million in warranty repairs. Some models of the Volkswagen Passat and the Audi A4 are equipped with turbo-charged engines, which are especially prone to sludge-forming deposits.

The only known solution was to take the engine apart to clean out the sludge that had accumulated in as little as 20,000 miles/32,000 km.

BG Products, Inc., worked with Volkswagen/Audi to help develop a way to get rid of the power-robbing sludge and remedy the warranty dilemma, while saving hours of shop time in the process.

The objective of this project was to dissolve the sludge so it would be suspended in the cleaning solution and could be removed by the special filters. BG chemists formulated and re-formulated chemistry while working with Volkswagen/Audi engineers in Germany. In the end, BG and Volkswagen/Audi created the BG Dynamic Engine Cleaning Service using BG Dynamic Engine Cleaner, Part No. 103192, and a new service tool with special adaptors and filters, Part No. 9850.



THE PROBLEM/THE SOLUTION



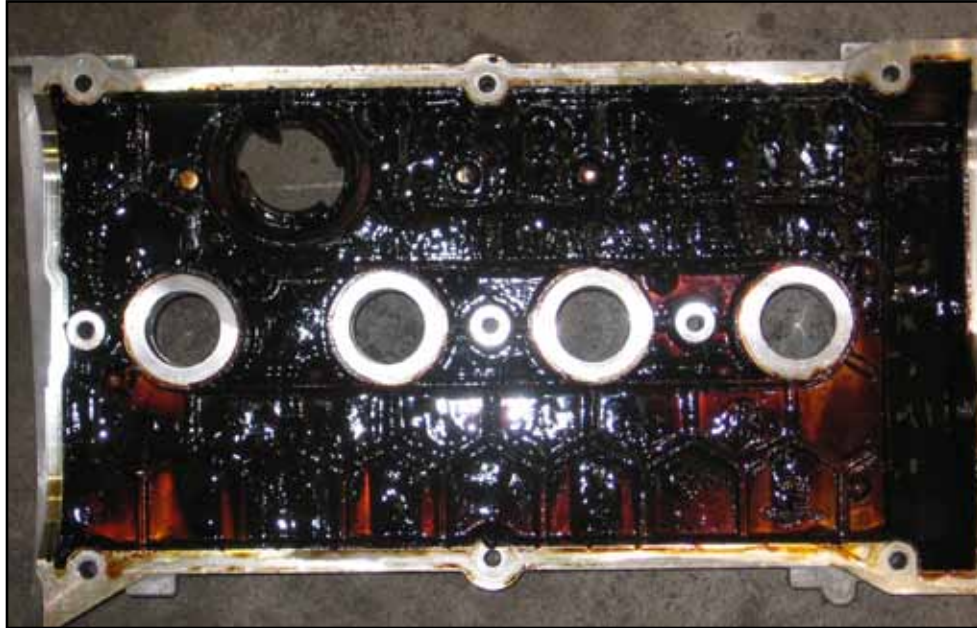
Sludged engine before service



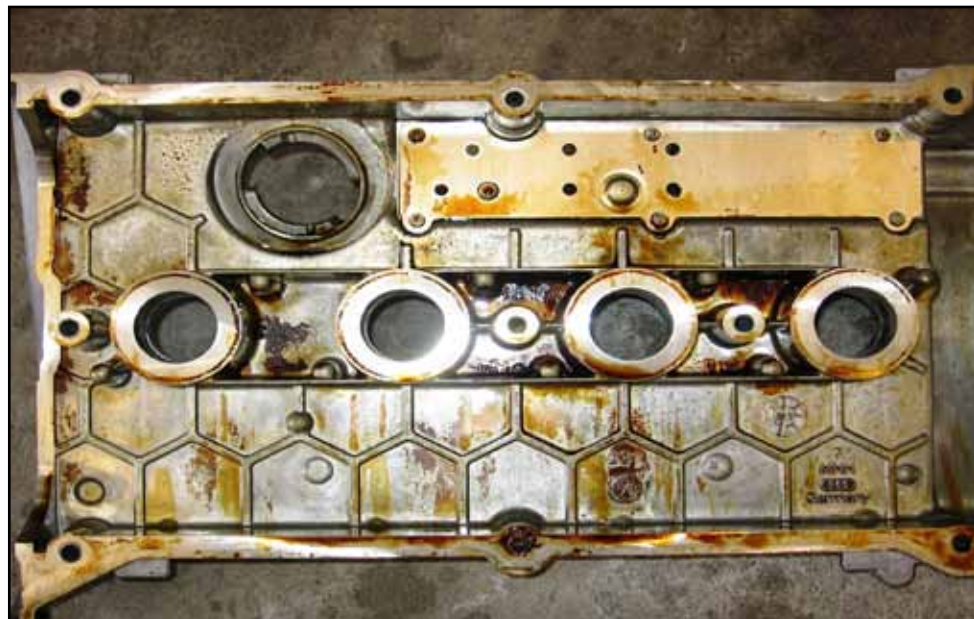
Engine after BG Dynamic Engine Cleaning Service



THE PROBLEM/THE SOLUTION



Valve cover before service



Valve cover after BG Dynamic Engine Cleaning Service



THE PROBLEM/THE SOLUTION



Crankcase before service



Crankcase after BG Dynamic Engine Cleaning Service



THE SOLUTION

BG Dynamic Engine Cleaning Service



BG Dynamic Engine Cleaning Tool Set, Part No. 9850



BG Dynamic Engine Cleaner, Part No. 103192



Maruti-Suzuki/TATA Motors LTD EGR Service



**MARUTI
SUZUKI**



Indian carmakers Maruti-Suzuki and Tata were facing problems in their Fiat variant and Tata variant Diesel engines due to a build up of carbon deposits on the EGR. Their only known solution was to take out the EGR valve and manually clean the deposits that had accumulated in as little as 9,300 miles/15,000 km.

This was a labor intensive process that involved everything from brush scrubbing to soaking the EGR in diesel fuel. These options were not providing efficient or satisfactory results with a process that took over three hours to complete. A further issue that arose was the reassembly of the EGR into the engine. Often times the EGR was up against the firewall of the engine and was nearly impossible to remove. In addition, it was difficult to disassemble and reassemble in the same working order as before. These companies wanted a solution that would clean the EGR valve without removing it from the engine. The process needed to be completed on the vehicle itself.

BG technicians analyzed the problem and created a solution. A new tool was created for this engine and the following BG chemistry products were used to completely clean the EGR valve in less than 45 minutes.



THE PROBLEM



Standard repair: Remove EGR and clean with diesel fuel. (A three to four hour service.)

The first time an EGR had to be removed and cleaned was at 29,000 miles. The second time 39,000 miles and the third time at 45,000 miles.



THE SOLUTION



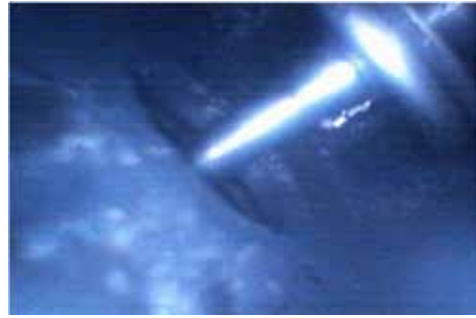
A specially designed EGR adaptor allowed EGR cleaning without engine disassembly.



THE PROBLEM/THE SOLUTION



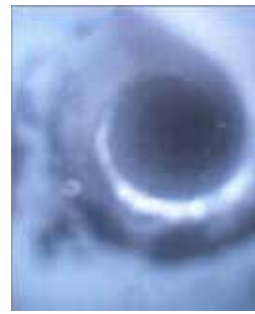
EGR before



EGR after



EGR cooler before



EGR cooler after



THE SOLUTION



BG Diesel Induction Service Tool Set, Part No. 9255-500

Specially designed Suzuki EGR adaptor



BG Throttle Body & Intake Cleaner, Part No. 406

BG 109 Compression Performance Restoration, Part No. 109

BG Diesel ISC® Induction System Cleaner™, Part No. 255

BG 244 diesel fuel injector cleaner, Part No. 244

BG DOC Diesel Oil Conditioner, Part No. 112

BG Diesel Care Injection Cleaner, Part No. 229

