

# *Full Throttle*<sup>™</sup>

*Performance Products*

# GDI

GAS DIRECT INJECTION

# APPLICATION GUIDE

GDI engines experience more rapid, severe,  
hard carbon deposit build-up.

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Use this guide as a reference to identify vehicles  
with GDI (Gasoline Direct Injection) engines.

**Full Throttle.**  
Performance Products

[FullThrottleProducts.com](http://FullThrottleProducts.com)

**TECH U**<sup>™</sup>  
Training & Rewards Program

[ITWProAp-U.com](http://ITWProAp-U.com)

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## **An Effective Service That Accelerates Your Sales**

**The Full Throttle™ 2-Step GDI Fuel Cleaning Service  
Gives You An Excellent Profit-Making Opportunity.**

- Modern GDI (Gasoline Direct Injection) Engine Technology is Growing in Popularity Because it Offers High Performance and Fuel Efficiency
- By the Year 2024, 90% of All Vehicles on the Road Will Have a GDI Fuel Delivery System
- Modern GDI Engines Need Frequent Cleaning to Maintain Top Performance and Durability
- GDI Engines Rapidly Accumulate Deposit Buildup on the Fuel Injector and the Intake Valve, Robbing the Engine of Maximum Performance and Fuel Efficiency
- Many OEM's Now Recommend Cleaning the Fuel System at Every Oil Change

Use this guide to help identify vehicles equipped with a GDI Fuel Delivery System, and learn more about the service.

Full Throttle™ Performance Products will help you make sure your team can recommend and perform fuel cleaning services confidently with the exciting Tech U Training and Rewards program:

**There are over \$10,000 reasons to sign up at Tech U**  
Learn more at [www.fullthrottleproducts.com/training-cristy-lee](http://www.fullthrottleproducts.com/training-cristy-lee)



MAKE	MODEL	YEAR
<b>ACURA</b>		
ACURA	MDX	2018
ACURA	MDX	2017
ACURA	MDX	2016
ACURA	MDX	2015
ACURA	MDX	2014
ACURA	MDX	2013
ACURA	MDX	2012
ACURA	MDX	2011
ACURA	MDX	2010
ACURA	MDX	2009
ACURA	RDX	2019
ACURA	RL	2012
ACURA	RL	2011
ACURA	RL	2010
ACURA	RL	2009
ACURA	TL	2014
ACURA	TL	2013
ACURA	TL	2012
ACURA	TL	2011
ACURA	TL	2010
ACURA	TL	2009
ACURA	TLX	2019
ACURA	TLX	2018
ACURA	TLX	2017
ACURA	TLX	2016
ACURA	TLX	2015
ACURA	ZDX	2013
ACURA	ZDX	2012
ACURA	ZDX	2011
ACURA	ZDX	2010
<b>ALFA ROMEO</b>		
ALFA ROMEO	4C	2018
ALFA ROMEO	4C	2017
ALFA ROMEO	4C	2016

MAKE	MODEL	YEAR
ALFA ROMEO	4C	2015
ALFA ROMEO	GIULIA	2018
ALFA ROMEO	GIULIA	2017
ALFA ROMEO	STELVIO	2018
<b>ASTON MARTIN</b>		
ASTON MARTIN	DB11	2019
ASTON MARTIN	DB11	2018
ASTON MARTIN	DB11	2017
ASTON MARTIN	DB9	2016
<b>AUDI</b>		
AUDI	A3	2018
AUDI	A3	2017
AUDI	A3	2016
AUDI	A3	2015
AUDI	A3	2014
AUDI	A3	2013
AUDI	A3	2012
AUDI	A3	2011
AUDI	A3	2010
AUDI	A3	2009
AUDI	A3	2008
AUDI	A3	2007
AUDI	A3	2006
AUDI	A4	2018
AUDI	A4	2017
AUDI	A4	2016
AUDI	A4	2015
AUDI	A4	2014
AUDI	A4	2013
AUDI	A4	2012
AUDI	A4	2011
AUDI	A4	2010
AUDI	A4	2009
AUDI	A4	2008
AUDI	A4	2007

### Fuel System Cleaners

#### Complete Fuel System Cleaner w/PEA



- Effective on all gasoline engines, including GDI
- Highly concentrated PEA, Nitrogen Formulation
- Removes sludge, carbon and varnish deposits
- Restores performance and fuel economy
- Fights damaging effects of ethanol
- 100% Consumer Money Back Satisfaction Guarantee
- Free Tech U Training and \$0.50 reward for employees
- For use at every oil change

Part#	Description	Case Qty
FT2000	Full Throttle Complete Fuel System Cleaner with PEA	24

**GDI FUEL INJECTOR**

BEFORE SERVICE	AFTER SERVICE
	




#### GDI+ 2-Step Fuel System Cleaning Service Kit



- Effective on all gasoline engines, including GDI
- Highly concentrated PEA, Nitrogen and Proprietary Formulation
- Removes sludge, carbon and varnish deposits
- Restores performance and fuel economy
- Fights damaging effects of ethanol
- 100% Consumer Money Back Satisfaction Guarantee
- Free Tech U Training and \$1 reward for employees
- Proven results with Before/After Borescope Images
- 10 -12 min. service time

Part#	Description	Case Qty
FTPK20	Full Throttle GDI+ Complete 2-Step FSCS Kit - Shrink Wrapped	12 Kits

BEFORE SERVICE	AFTER SERVICE
	
	









#### 2-Step Fuel System Cleaning Kit



- Effective on all gasoline engines – except GDI
- PIBA Formulation
- Removes sludge, carbon and varnish deposits
- Restores performance and fuel economy
- Disperses water
- Free Tech U Training and \$1.00 reward for employees
- 10 -12 min. service time

Part#	Description	Case Qty
FTPKS2	Full Throttle 2-Step Fuel System Cleaning Kit, 11oz	12 Kits

FUEL INJECTORS		INTAKE VALVES	
			
DIRTY	CLEAN	DIRTY	CLEAN



#### 2-Step Fuel System Cleaning Controlled Induction Cleaner Delivery Device Tool



- Pre-metered flow control
- Easy to use – no flow control valve to adjust
- Safe to use – eliminates risk of hydro-static lock
- 10 – 12 min. Service Time

Part#	Description	Case Qty
TN15000	Full Throttle Controlled Induction Cleaner Delivery Device Tool	1





MAKE	MODEL	YEAR
AUDI	A4	2006
AUDI	A4	2005
AUDI	A4 ALLROAD	2018
AUDI	A4 ALLROAD	2017
AUDI	A5	2018
AUDI	A5	2017
AUDI	A5	2016
AUDI	A5	2015
AUDI	A5	2014
AUDI	A5	2013
AUDI	A5	2012
AUDI	A5	2011
AUDI	A5	2010
AUDI	A5	2009
AUDI	A5	2008
AUDI	A6	2018
AUDI	A6	2017
AUDI	A6	2016
AUDI	A6	2015
AUDI	A6	2014
AUDI	A6	2013
AUDI	A6	2012
AUDI	A6	2011
AUDI	A6	2010
AUDI	A6	2009
AUDI	A6	2008
AUDI	A6	2007
AUDI	A7	2018
AUDI	A7	2017
AUDI	A7	2016
AUDI	A7	2015
AUDI	A7	2014
AUDI	A7	2013
AUDI	A7	2012
AUDI	A8	2018

MAKE	MODEL	YEAR
AUDI	A8	2017
AUDI	A8	2016
AUDI	A8	2015
AUDI	A8	2014
AUDI	A8	2013
AUDI	A8	2012
AUDI	A8	2011
AUDI	A8	2010
AUDI	A8	2009
AUDI	A8	2008
AUDI	Q3	2018
AUDI	Q3	2017
AUDI	Q3	2016
AUDI	Q5	2018
AUDI	Q5	2017
AUDI	Q5	2016
AUDI	Q5	2015
AUDI	Q5	2014
AUDI	Q5	2013
AUDI	Q5	2012
AUDI	Q5	2011
AUDI	Q5	2010
AUDI	Q5	2009
AUDI	Q7	2018
AUDI	Q7	2017
AUDI	Q7	2016
AUDI	Q7	2015
AUDI	Q7	2014
AUDI	Q7	2013
AUDI	Q7	2012
AUDI	Q7	2011
AUDI	Q7	2010
AUDI	Q7	2009
AUDI	Q7	2008
AUDI	Q7	2007

### Full Throttle™ GDI+ 2-Step Fuel System Cleaning Kit



A Professional 2-Step service that utilizes highly concentrated nitrogen based Polyetheramine (PEA) detergent and a state-of-the art patented Induction Fuel System Cleaning Technology that bonds to deposits, giving these potent chemicals the ability to penetrate and dissolve even the toughest of hard gum, sludge, carbon and varnish deposits in GDI, (Gasoline Direct Injection), MPI (Multi Port Injection) and PFI (Port Fuel Injection), Flex Fuel, Turbo Charged and Carbureted gasoline engines.

#### Features and Benefits

- Aggressively cleans hard gums, sludge, carbon and varnish deposit build-up from the entire fuel system: fuel injectors, intake ports, intake valves and combustion chambers
- Effective on all types of fuel delivery systems: GDI, DFI, MPI, PFI, Flex Fuel, Turbo Charged and Carbureted gasoline engines
- Restores Performance and Volumetric Efficiency
- Lowers HC, CO and NOX Emissions, disperses water from Fuel and Fights damaging effects of Ethanol
- Helps Improve Engine Performance, Restores Lost Power and Fuel Economy
- Prevents Future Deposit Build-Up
- Utilizes a highly concentrated nitrogen based Polyetheramine (PEA) detergent and our Patented Induction Cleaner to provide the most potent and effective cleaning agent available today
- Web based **TECH U** for shop employees
- Interactive point-of-sale merchandising materials and promotions to help create consumer demand and generate repeat sales
- Customer Satisfaction Guarantee
- Service Tools
- Increased Sales Revenues and Profits
- Service time is 10 - 15 min.



Part#	Description	Case Qty
FTPK20	Full Throttle GDI+ Complete 2-Step FSCS Kit - Shrink Wrapped	12 Kits

### REAL RESULTS!!!

The following are Before/After images taken with a borescope camera. Full Throttle™ GDI+ Complete 2-Step Fuel System Cleaning Kit was used to clean the fuel system and the vehicle was driven for five minutes after service.

<b>2014 BUICK, GDI - 12,500 Miles</b> BEFORE SERVICE    AFTER SERVICE 		<b>2015 F150 - 54,000 MILES</b> BEFORE SERVICE    AFTER SERVICE 		<b>2015 F150 - 19,600 MILES</b> BEFORE SERVICE    AFTER SERVICE 	
<b>2014 Ford F150 - 57,000 Miles</b> BEFORE SERVICE    AFTER SERVICE 		<b>2016 Impala - 18,400 Miles</b> BEFORE SERVICE    AFTER SERVICE 		<b>2013 Impala, 122,000 Miles</b> BEFORE SERVICE    AFTER SERVICE 	

FUEL SYSTEM TRAINING VIDEO  
<https://www.youtube.com/watch?v=xPE3G8VONds>

FULL SYSTEM TRAINING VIDEO  
<https://drive.google.com/open?id=10omnLGLJObAFpPvgEaPMEZCYjgCjGbcR>



MAKE	MODEL	YEAR
AUDI	R8	2018
AUDI	R8	2017
AUDI	R8	2016
AUDI	R8	2015
AUDI	R8	2014
AUDI	R8	2013
AUDI	R8	2012
AUDI	R8	2011
AUDI	R8	2010
AUDI	R8	2009
AUDI	R8	2008
AUDI	RS3	2018
AUDI	RS3	2017
AUDI	RS5	2018
AUDI	RS5	2017
AUDI	RS5	2016
AUDI	RS5	2015
AUDI	RS5	2014
AUDI	RS5	2013
AUDI	RS7	2018
AUDI	RS7	2017
AUDI	RS7	2016
AUDI	RS7	2015
AUDI	RS7	2014
AUDI	S3	2018
AUDI	S3	2017
AUDI	S3	2016
AUDI	S4	2018
AUDI	S4	2017
AUDI	S4	2016
AUDI	S4	2015
AUDI	S4	2014
AUDI	S4	2013
AUDI	S4	2012
AUDI	S4	2011

MAKE	MODEL	YEAR
AUDI	S4	2010
AUDI	S4	2009
AUDI	S5	2018
AUDI	S5	2017
AUDI	S5	2016
AUDI	S5	2015
AUDI	S5	2014
AUDI	S5	2013
AUDI	S5	2012
AUDI	S5	2011
AUDI	S5	2010
AUDI	S5	2009
AUDI	S6	2018
AUDI	S6	2017
AUDI	S6	2016
AUDI	S6	2015
AUDI	S6	2014
AUDI	S6	2013
AUDI	S6	2012
AUDI	S6	2011
AUDI	S6	2010
AUDI	S6	2009
AUDI	S7	2018
AUDI	S7	2017
AUDI	S7	2016
AUDI	S7	2015
AUDI	S7	2014
AUDI	S7	2013
AUDI	S8	2018
AUDI	S8	2017
AUDI	S8	2016
AUDI	S8	2015
AUDI	S8	2014
AUDI	S8	2013
AUDI	S8	2012

### Full Throttle™ Complete Fuel Cleaner w/PEA



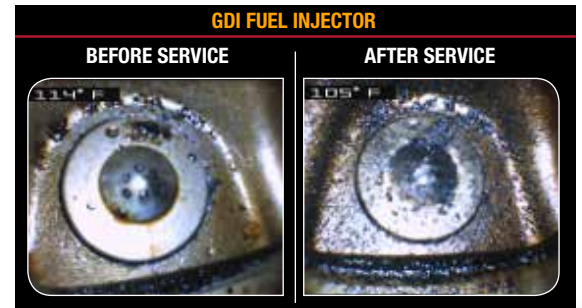
A highly concentrated Polyetheramine (PEA) detergent that effectively helps keep fuel injectors, intake ports\*, intake valves\* and combustion chambers clean between Professional 2-Step Cleaning Service Intervals.

#### Features and Benefits

- Effective on all types of fuel delivery systems: GDI, DFI, MPI, PFI, Flex Fuel, Turbo Charged and Carbureted engines
- Aggressively cleans hard gums, sludge, carbon and varnish deposit build-up from the entire fuel system: fuel injectors, intake ports\*, intake valves\* and combustion chambers
- Restores Performance and Volumetric Efficiency
- Lowers HC, CO and NOX Emissions
- Helps Improve Engine Performance and Restores Lost Power
- Restores Fuel Economy
- Prevents Future Deposit Build-Up
- Treat up to 20 gallons of fuel
- Utilizes nitrogen based Polyetheramine (P.E.A) the most potent cleaning agent available today
- Web based **TECH U**™ for shop employees
- Interactive point-of-sale merchandising materials and promotions to help create consumer demand and generate repeat sales
- Customer Satisfaction Guarantee
- Increased Sales Revenues and Profits

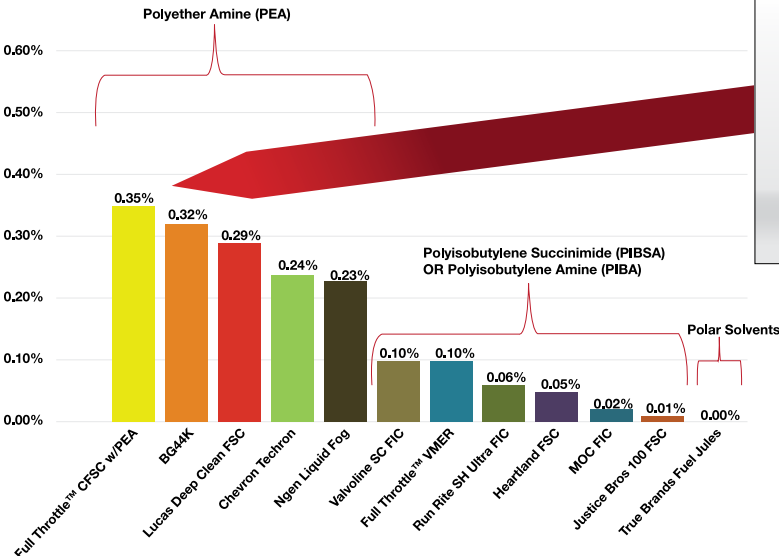


\*Excludes GDI engines where the fuel injectors are positioned inside the combustion chamber. In GDI engines the fuel and fuel system cleaner added to the tank does not pass through or make contact with the intake ports and intake valves. To clean the intake ports and intake valves, use part #FTPK20, Full Throttle GDI+ 2-Step Complete Fuel System Cleaning Service Kit which contains an induction cleaner.



Part#	Description	Case Qty
FT2000	Full Throttle Complete Fuel System Cleaner with PEA	24 Kits

### Full Throttle™ Amine (PEA, PIBSA, PIBA) Weight % Analysis



### Full Throttle™ Complete Fuel System Cleaner w/PEA

Installer Price: \$5.99 each  
MSRP: \$19.99 each



Source: Internal Titration Analysis. The amount of detergency present in a gasoline additive can be deduced by titrating the base number. The higher the base number, the more amine activity present.



MAKE	MODEL	YEAR
AUDI	S8	2011
AUDI	S8	2010
AUDI	S8	2009
AUDI	SQ5	2018
AUDI	SQ5	2017
AUDI	SQ5	2016
AUDI	SQ5	2015
AUDI	SQ5	2014
AUDI	TT	2018
AUDI	TT	2017
AUDI	TT	2016
AUDI	TT	2015
AUDI	TT	2014
AUDI	TT	2013
AUDI	TT	2012
AUDI	TT	2011
AUDI	TT	2010
AUDI	TT	2009
AUDI	TT RS	2018
AUDI	TT RS	2017
AUDI	TT RS	2016
AUDI	TT RS	2015
AUDI	TT RS	2014
AUDI	TT RS	2013
AUDI	TT RS	2012
AUDI	TTS	2018
AUDI	TTS	2017
AUDI	TTS	2016
AUDI	TTS	2015
AUDI	TTS	2014
AUDI	TTS	2013
AUDI	TTS	2012
AUDI	TTS	2011
AUDI	TTS	2010
AUDI	TTS	2009

MAKE	MODEL	YEAR
<b>BENTLEY</b>		
BENTLEY	BENTAYGA	2019
BENTLEY	BENTAYGA	2018
BENTLEY	BENTAYGA	2017
BENTLEY	CONTINENTAL	2017
BENTLEY	CONTINENTAL	2016
BENTLEY	CONTINENTAL	2015
BENTLEY	CONTINENTAL	2014
BENTLEY	CONTINENTAL	2013
BENTLEY	FLYING SPUR	2018
BENTLEY	FLYING SPUR	2017
BENTLEY	FLYING SPUR	2016
BENTLEY	FLYING SPUR	2015
<b>BMW</b>		
BMW	135	2013
BMW	135	2012
BMW	135	2011
BMW	1M	2011
BMW	228	2016
BMW	228	2015
BMW	228	2014
BMW	230I	2018
BMW	230I	2017
BMW	230XI	2018
BMW	230XI	2017
BMW	320	2018
BMW	320	2017
BMW	320	2016
BMW	320	2015
BMW	320	2014
BMW	320	2013
BMW	320	2012
BMW	323	2011
BMW	328	2017
BMW	328	2016

### Fuel System Cleaning Service Pedal Depressor Tool

Designed to safely control idle while applying Full Throttle™ Induction Cleaner included in the 2-Step Fuel System Cleaning Kit. Allows the technician to achieve precise throttle speed by setting hook to steering wheel with point on throttle pedal, turn knob to fine tune engine RPM's.



Part#	Description	Case Qty
QMIPD	Full Throttle Fuel System Cleaner Pedal Depressor	1

### Regulated Vacuum Fuel System Cleaning Induction Applicator Tool

Designed to safely feed induction cleaner through vacuum source and eliminate hydrostatic concerns. Features a preset flow rate that makes service easier to perform. Also features a stainless tip that atomizes cleaning solution for more complete cleaning.

Part#	Description	Case Qty
TN15000	Full Throttle Fuel System Cleaner Plastic Induction Tool	1



**Easy and Safe to Use!**  
**Preset Flow Rate!**  
**WILL NOT HYDRO-LOCK**  
**AN ENGINE!**

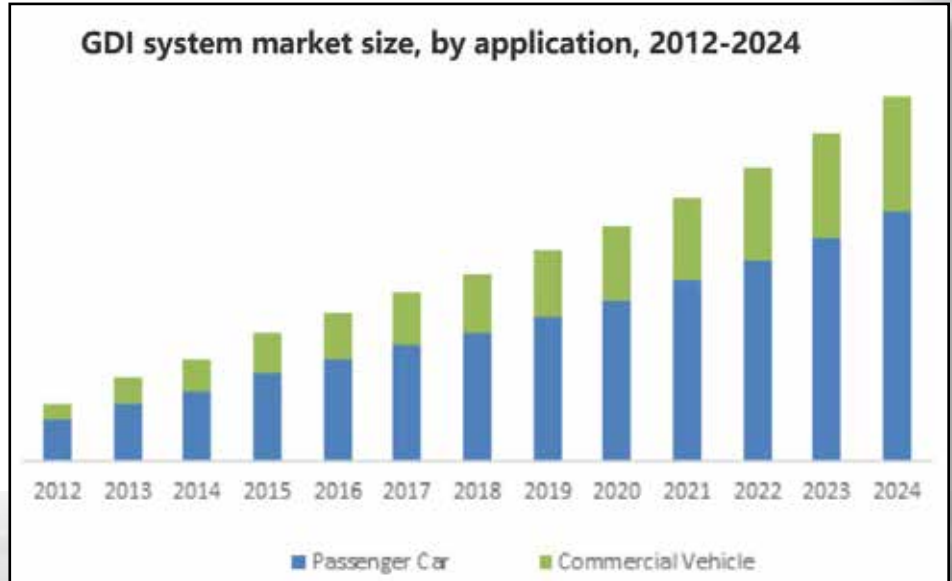


MAKE	MODEL	YEAR
BMW	328	2015
BMW	328	2014
BMW	328	2013
BMW	328	2012
BMW	330	2018
BMW	330	2017
BMW	335	2016
BMW	335	2015
BMW	335	2014
BMW	335	2013
BMW	335	2012
BMW	335	2011
BMW	340	2018
BMW	340	2017
BMW	340	2016
BMW	428	2016
BMW	428	2015
BMW	428	2014
BMW	430i	2019
BMW	430i	2018
BMW	430i	2017
BMW	430Xi	2019
BMW	430Xi	2018
BMW	430Xi	2017
BMW	435	2016
BMW	435	2015
BMW	435	2014
BMW	440i	2019
BMW	440i	2018
BMW	440i	2017
BMW	440Xi	2019
BMW	440Xi	2018
BMW	440Xi	2017
BMW	528	2016
BMW	528	2015

MAKE	MODEL	YEAR
BMW	528	2014
BMW	528	2013
BMW	528	2012
BMW	530	2019
BMW	530	2018
BMW	530	2017
BMW	535	2013
BMW	535	2012
BMW	535	2011
BMW	540	2019
BMW	540	2018
BMW	540	2017
BMW	550	2017
BMW	550	2016
BMW	550	2015
BMW	550	2014
BMW	550	2013
BMW	550	2012
BMW	550	2011
BMW	640	2019
BMW	640	2018
BMW	640	2017
BMW	640	2016
BMW	640	2015
BMW	640	2014
BMW	640	2013
BMW	640	2012
BMW	650	2019
BMW	650	2018
BMW	650	2017
BMW	650	2016
BMW	650	2015
BMW	650	2014
BMW	650	2013
BMW	650	2012

### Gasoline Direct Injection (GDI) Fuel Delivery Systems

- Since 2012, the use of Gasoline Direct Injection (GDI) Fuel Delivery Systems by OEM's is growing significantly – 12% year-over-year
- By 2024, it is expected that 90% of vehicles in the car park will have a Gasoline Direct Injection (GDI) Fuel Delivery Systems
- The goal to reduce emissions, increase fuel economy and create more power with smaller engines is driving the change
- GDI engines incur excessive carbon deposit build-up on the intake valve tulips and steam that prevent proper valve seating and cause valves to stick open – robbing the engine of performance
- Most OEM's now recommend the use of a fuel system cleaner at every oil change





MAKE	MODEL	YEAR
BMW	650	2011
BMW	740	2012
BMW	740	2011
BMW	750	2019
BMW	750	2018
BMW	750	2017
BMW	750	2016
BMW	750	2015
BMW	750	2014
BMW	750	2013
BMW	750	2012
BMW	750	2011
BMW	760	2015
BMW	760	2014
BMW	760	2013
BMW	760	2012
BMW	760	2011
BMW	ALPINA B6	2018
BMW	ALPINA B6	2017
BMW	ALPINA B6	2016
BMW	ALPINA B6	2015
BMW	ALPINA B7	2018
BMW	ALPINA B7	2017
BMW	ALPINA B7	2016
BMW	ALPINA B7	2015
BMW	ALPINA B7	2014
BMW	ALPINA B7	2013
BMW	ALPINA B7	2012
BMW	ALPINA B7	2011
BMW	M2	2018
BMW	M2	2017
BMW	M2	2016
BMW	M235I	2016
BMW	M235I	2015
BMW	M235I	2014

MAKE	MODEL	YEAR
BMW	M235XI	2016
BMW	M235XI	2015
BMW	M240I	2018
BMW	M240I	2017
BMW	M240XI	2018
BMW	M240XI	2017
BMW	M3	2018
BMW	M3	2017
BMW	M3	2016
BMW	M3	2015
BMW	M4	2019
BMW	M4	2018
BMW	M4	2017
BMW	M4	2016
BMW	M4	2015
BMW	M5	2019
BMW	M5	2018
BMW	M5	2017
BMW	M5	2016
BMW	M5	2015
BMW	M5	2014
BMW	M5	2013
BMW	M5	2012
BMW	M550XI	2019
BMW	M550XI	2018
BMW	M6	2019
BMW	M6	2018
BMW	M6	2017
BMW	M6	2016
BMW	M6	2015
BMW	M6	2014
BMW	M6	2013
BMW	M6	2012
BMW	X1	2018
BMW	X1	2017

# Not All Fuel Systems Are Created Equal!

Chemistry and Formulations Continue to Advance to Meet the Needs of Advanced Engine Technologies.

TYPES OF FUEL SYSTEM CLEANING CHEMISTRY ARE:

**Polar Solvents:**

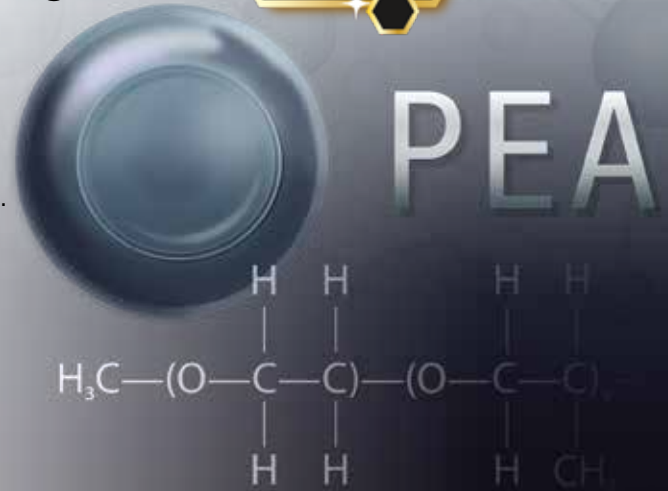
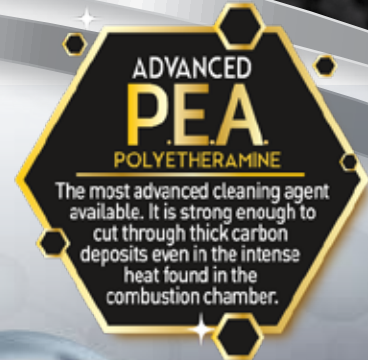
- Old chemistry for basic cleaning of light deposits with low temperature resistance.  
**Ideal for cleaning carburetors.**

**Polyisobutylene Succinimide (PIBSA) and Polyisobutylene Amine (PIBA):**

- Good chemistry for cleaning moderate deposits with moderate temperature resistance.  
**Ideal for cleaning Port Injection (PI) injectors, ports and valves.**

**Polyether Amine (PEA):**

- A strong, effective chemistry with high temperature resistance. Most effective in high concentrations.  
**Ideal for cleaning hard, heavy deposits on injectors, ports, intake valves, combustion chambers, pistons in all fuel delivery systems — Gasoline Direct injection (GDI), Port Injection (PI) and Carbureted engines.**



## Port Injection



## Gasoline Direct Injection



<b>Fuel Injector Location:</b>	Intake Manifold
<b>Temperature Where Fuel Injector is Located:</b>	175° to 250°
<b>PCV Valve Location:</b>	Intake Manifold
<b>Parts Cleaned by Fuel System Cleaner Added to Fuel Tank:</b>	Injector, Ports, Intake Valves, Piston Top
<b>Fuel System Cleaning Formulation Required:</b>	PIBA, PIBSA, PEA

<b>Fuel Injector Location:</b>	Combustion Chamber
<b>Temperature Where Fuel Injector is Located:</b>	2,700°
<b>PCV Valve Location:</b>	Intake Manifold
<b>Parts Cleaned by Fuel System Cleaner Added to Fuel Tank:</b>	Injector, Piston Top
<b>Fuel System Cleaning Formulation Required:</b>	PEA

**To Clean a Gasoline Direct Injection Fuel Injector — A Pea Fuel System Cleaner Must Be Used!**

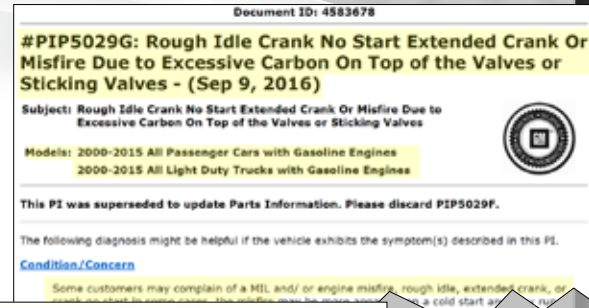


MAKE	MODEL	YEAR
BMW	X1	2016
BMW	X1	2015
BMW	X1	2014
BMW	X1	2013
BMW	X1	2012
BMW	X2	2018
BMW	X3	2019
BMW	X3	2018
BMW	X3	2017
BMW	X3	2016
BMW	X3	2015
BMW	X3	2014
BMW	X3	2013
BMW	X3	2012
BMW	X3	2011
BMW	X4	2018
BMW	X4	2017
BMW	X4	2016
BMW	X4	2015
BMW	X5	2018
BMW	X5	2017
BMW	X5	2016
BMW	X5	2015
BMW	X5	2014
BMW	X5	2013
BMW	X5	2012
BMW	X5	2011
BMW	X5	2010
BMW	X5	2009
BMW	X6	2019
BMW	X6	2018
BMW	X6	2017
BMW	X6	2016
BMW	X6	2015
BMW	X6	2014

MAKE	MODEL	YEAR
BMW	X6	2013
BMW	X6	2012
BMW	X6	2011
BMW	X6	2010
BMW	X6	2009
BMW	X6	2008
BMW	Z4	2016
BMW	Z4	2015
BMW	Z4	2014
BMW	Z4	2013
BMW	Z4	2012
BMW	Z4	2011
BUGATTI		
BUGATTI	VEYRON	2012
BUGATTI	VEYRON	2011
BUGATTI	VEYRON	2010
BUICK		
BUICK	ALLURE/LACROSSE	2010
BUICK	CASCADA	2019
BUICK	CASCADA	2018
BUICK	CASCADA	2017
BUICK	CASCADA	2016
BUICK	ENCLAVE	2018
BUICK	ENCLAVE	2017
BUICK	ENCLAVE	2016
BUICK	ENCLAVE	2015
BUICK	ENCLAVE	2014
BUICK	ENCLAVE	2013
BUICK	ENCLAVE	2012
BUICK	ENCLAVE	2011
BUICK	ENCLAVE	2010
BUICK	ENCLAVE	2009
BUICK	ENCORE	2018
BUICK	ENCORE	2017
BUICK	ENCORE	2016

# Third Party Recommendations

- TSBS (Technical Service Bulletins) that substantiate the need for Fuel System Cleaning
- 2016 GM TSB is applicable to 41,533,991 cars on the road today!



This may be the result of major carbon build up on the intake and/or exhaust valves due to fuel contamination or incomplete burning of the fuel as shown below so the misfires should not have appeared until accumulating at least 5,000 miles or more.

**Notes:** Fuel oxidation and valve carbonization can occur over time.

**Recommendation/Instructions:**

If this concern is encountered, perform SI diagnosis. If the SI Diagnosis leads to a compression loss due to a valve sealing concern and/or eliminates everything else external to the engine, the following information may help:

Perform an upper engine and valve cleaning procedure as outlined below.

**Important:** Extreme care must be taken not to hydro-lock the engine when inducing the cleaner, especially if it is induced without Kent Moore Tool # J-45076 / J-35800-A or equivalent. If too much cleaner is induced at too low of a RPM, or if you force the engine to stall by inducing too much cleaner at once, the engine may hydro-lock and bend a connecting rod(s).

1. In a well ventilated area with the engine at operating temperature, slowly/carefully induce a bottle of GM Upper Engine and Fuel Injection Cleaner into the engine with RPM off of idle enough to prevent the engine from stalling (typically around 2,000 RPM or so). Depending on the engine configuration, induce the cleaner through the throttle body or an engine vacuum hose/pipe.
2. Turn the engine off after inducing the cleaner and allow the cleaner to soak with the engine off for 2.5 to 3 hours (Do not let cleaner soak for more than 3 hours as remaining deposits may start to harden back up again).
3. Add a bottle of GM Fuel System Treatment Plus to the fuel tank and fill the vehicle with one of the Top Tier gasolines listed at <http://www.top-tiergas.com> and/or in the latest version of 04-06-04-047 (USA) or 05-06-04-022 (Canada). See Bulletin 05-00-09-078 for more details on GM Fuel System Treatment Plus.

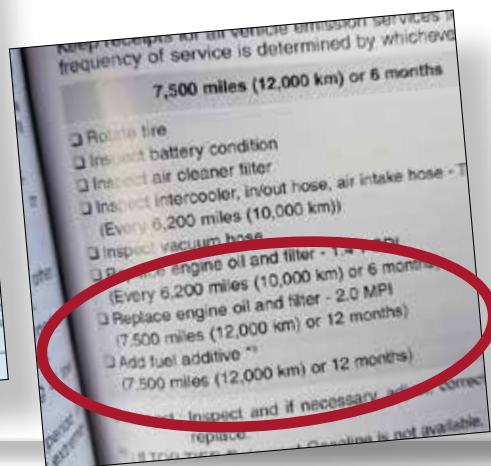
Test drive the vehicle extensively to circulate the GM Fuel System Treatment Plus. Re-evaluate the concern to determine if it is repaired or improved at all. If the concern is improved but not repaired, it may be necessary to perform the above decarboning process a 2nd time.

To complete the repairs, change the engine oil and filter, and advise the customer to only use one of the Top Tier Gasolines listed at <http://www.top-tiergas.com> and/or in the latest version of 04-06-04-047 (USA) or 05-06-04-022 (Canada) to minimize future deposits.

It can also be recommended to add a bottle of GM Fuel System Treatment Plus at every oil change as mentioned in the latest version of 04-06-04-047.

**OEM Technical Service Bulletins Are Difficult to Obtain. OEM Do Not Want to Admit an Issue.**

# OEM Owners Manual Recommendations



Many Owner's Manuals now recommend the use of a Fuel System Cleaner at EVERY OIL CHANGE!





MAKE	MODEL	YEAR
BUICK	ENVISION	2019
BUICK	ENVISION	2018
BUICK	ENVISION	2017
BUICK	ENVISION	2016
BUICK	LACROSSE	2018
BUICK	LACROSSE	2017
BUICK	LACROSSE	2016
BUICK	LACROSSE	2015
BUICK	LACROSSE	2014
BUICK	LACROSSE	2013
BUICK	LACROSSE	2012
BUICK	LACROSSE	2011
BUICK	LACROSSE	2010
BUICK	REGAL	2018
BUICK	REGAL	2017
BUICK	REGAL	2016
BUICK	REGAL	2015
BUICK	REGAL	2014
BUICK	REGAL	2013
BUICK	REGAL	2012
BUICK	REGAL	2011
BUICK	REGAL TOURX	2018
BUICK	VERANO	2015
<b>CADILLAC</b>		
CADILLAC	ATS	2018
CADILLAC	ATS	2017
CADILLAC	ATS	2016
CADILLAC	ATS	2015
CADILLAC	ATS	2014
CADILLAC	ATS	2013
CADILLAC	ATS-V	2018
CADILLAC	ATS-V	2017
CADILLAC	ATS-V	2016
CADILLAC	CT6	2018
CADILLAC	CT6	2017

MAKE	MODEL	YEAR
CADILLAC	CT6	2016
CADILLAC	CTS	2018
CADILLAC	CTS	2017
CADILLAC	CTS	2016
CADILLAC	CTS	2015
CADILLAC	CTS	2014
CADILLAC	CTS	2013
CADILLAC	CTS	2012
CADILLAC	CTS	2011
CADILLAC	CTS	2010
CADILLAC	CTS	2009
CADILLAC	CTS	2008
CADILLAC	CTS-V	2018
CADILLAC	CTS-V	2017
CADILLAC	CTS-V	2016
CADILLAC	ESCALADE	2018
CADILLAC	ESCALADE	2017
CADILLAC	ESCALADE	2016
CADILLAC	ESCALADE	2015
CADILLAC	SRX	2016
CADILLAC	SRX	2015
CADILLAC	SRX	2014
CADILLAC	SRX	2013
CADILLAC	SRX	2012
CADILLAC	SRX	2011
CADILLAC	SRX	2010
CADILLAC	STS	2011
CADILLAC	STS	2010
CADILLAC	STS	2009
CADILLAC	STS	2008
CADILLAC	XT5	2018
CADILLAC	XT5	2017
CADILLAC	XTS	2018
CADILLAC	XTS	2017
CADILLAC	XTS	2016

# TECH U™

Training & Rewards Program

### Training:

- Employees go to [www.FullThrottleProducts.com](http://www.FullThrottleProducts.com) or [www.itwproap-u.com](http://www.itwproap-u.com) to register, sign-in and take the following six training courses:



Fuel System Cleaning



Power Steering Service



Oil System Cleaning



Cooling System Service



Transmission Service



Wiper Blades

- Upon completion of all six courses, the employee becomes eligible for the Reward Program and receive a Framed Certificate of Completion and a Certified Tech Head Hat!
- Training is available 24/7 from any PC, Laptop, Tablet or Smart Phone
- Enhances employee knowledge and confidence to recommend services, answer customers questions and perform services correctly
- Proven to help increase add-on sales revenues and profits



Accessible via PC,  
Laptop, Tablet or  
Smart Phone



### Rewards:

- Upon completion of all six training courses, the employee becomes eligible for the Reward Program
- Each case of Fuel System Cleaner will contain a Program Sell Sheet and each product will feature a serialized QR Code Reward Decal
- When an employee sells a Fuel System Cleaning Service, they can redeem points towards Cash, and compete for the Grand Prize of \$10,000 and 40 Cool Secondary Cash Prizes.
- Rewards are redeemed by manually entering a serial number or by scanning the QR Code – no code or serial number is the same



- Every 50 Reward Points = \$25 and 50 entries into the King of FSC and Mega Tech contest.
- Each employee manages His or Her account and has the choice to redeem points for CASH at [www.itwproap-u.com](http://www.itwproap-u.com)
- ITW Pro AP pays the rewards and provides the contest prizes
- A 1099 is issued to participants who earn more than \$600



QR Code  
Reward Decal





MAKE	MODEL	YEAR
CADILLAC	XTS	2015
CADILLAC	XTS	2014
CADILLAC	XTS	2013
<b>CHEVROLET</b>		
CHEVROLET	CAMARO	2018
CHEVROLET	CAMARO	2017
CHEVROLET	CAMARO	2016
CHEVROLET	CAMARO	2015
CHEVROLET	CAMARO	2014
CHEVROLET	CAMARO	2013
CHEVROLET	CAMARO	2012
CHEVROLET	CAMARO	2011
CHEVROLET	CAMARO	2010
CHEVROLET	CAPRICE	2017
CHEVROLET	CAPRICE	2016
CHEVROLET	CAPRICE	2015
CHEVROLET	CAPRICE	2014
CHEVROLET	CAPRICE	2013
CHEVROLET	CAPRICE	2012
CHEVROLET	COBALT	2010
CHEVROLET	COBALT	2009
CHEVROLET	COBALT	2008
CHEVROLET	COLORADO	2018
CHEVROLET	COLORADO	2017
CHEVROLET	COLORADO	2016
CHEVROLET	COLORADO	2015
CHEVROLET	CORVETTE	2019
CHEVROLET	CORVETTE	2018
CHEVROLET	CORVETTE	2017
CHEVROLET	CORVETTE	2016
CHEVROLET	CORVETTE	2015
CHEVROLET	CORVETTE	2014
CHEVROLET	CRUZE	2018
CHEVROLET	CRUZE	2017
CHEVROLET	CRUZE	2016

MAKE	MODEL	YEAR
CHEVROLET	EQUINOX	2018
CHEVROLET	EQUINOX	2017
CHEVROLET	EQUINOX	2016
CHEVROLET	EQUINOX	2015
CHEVROLET	EQUINOX	2014
CHEVROLET	EQUINOX	2013
CHEVROLET	EQUINOX	2012
CHEVROLET	EQUINOX	2011
CHEVROLET	EQUINOX	2010
CHEVROLET	EXPRESS G2500	2018
CHEVROLET	EXPRESS G3500	2018
CHEVROLET	HHR	2010
CHEVROLET	HHR	2009
CHEVROLET	HHR	2008
CHEVROLET	IMPALA	2018
CHEVROLET	IMPALA	2017
CHEVROLET	IMPALA	2016
CHEVROLET	IMPALA	2015
CHEVROLET	IMPALA	2014
CHEVROLET	IMPALA	2013
CHEVROLET	IMPALA	2012
CHEVROLET	IMPALA LIMITED	2016
CHEVROLET	IMPALA LIMITED	2015
CHEVROLET	IMPALA LIMITED	2014
CHEVROLET	MALIBU	2018
CHEVROLET	MALIBU	2017
CHEVROLET	MALIBU	2016
CHEVROLET	MALIBU	2015
CHEVROLET	MALIBU	2014
CHEVROLET	MALIBU	2013
CHEVROLET	MALIBU LIMITED	2016
CHEVROLET	ORLANDO	2013
CHEVROLET	ORLANDO	2012
CHEVROLET	SILVERADO	2018
CHEVROLET	SILVERADO	2017



### Benefits:

- Technical training for employees 24/7 – efficient for high employee turnover rates
- Enhances employee knowledge and confidence to recommend services, answer customers questions and perform services correctly
- Professional Sales Training
- Increases add-on sales revenues and profits
- No Administrative Reporting Required
- Real Time Reporting
- Builds Customer Confidence, Repeat Business and Retains Employees
- Motivates Employees To Learn

Accessible via PC,  
Laptop, Tablet or  
Smart Phone



## TECH U INCREASES YOUR SALES, REVENUES AND PROFITS

In 2018, Jeremy Richards with Speed Lube was the Tech U Grand Prize Winner of \$10,000 Cash!

In 2018, Jeremy sold 2,461 Full Throttle™ 2-Step GDI+ Fuel System Cleaning Services!!!!

Jeremy attributes his success to taking the Tech U Training courses

## Customer Satisfaction Guarantee:

- In the event our Fuel System Cleaning Service does not meet the consumers performance expectations, the consumer purchasing the service should contact ITW Professional Automotive Products directly at 1-800-255-8138, extension #4
- Upon review of each case by an ITW Professional Automotive Products Representative, the consumer can submit a request for a refund within 30 days from the date the service is purchased
- Each request must include; a written explanation of why our service did not meet the consumers performance expectations and a copy of the original product/service purchase receipt





MAKE	MODEL	YEAR
CHEVROLET	SILVERADO	2016
CHEVROLET	SILVERADO	2015
CHEVROLET	SILVERADO	2014
CHEVROLET	SUBURBAN	2018
CHEVROLET	SUBURBAN	2017
CHEVROLET	SUBURBAN	2016
CHEVROLET	SUBURBAN	2015
CHEVROLET	TAHOE	2018
CHEVROLET	TAHOE	2017
CHEVROLET	TAHOE	2016
CHEVROLET	TAHOE	2015
CHEVROLET	TRAVERSE	2018
CHEVROLET	TRAVERSE	2017
CHEVROLET	TRAVERSE	2016
CHEVROLET	TRAVERSE	2015
CHEVROLET	TRAVERSE	2014
CHEVROLET	TRAVERSE	2013
CHEVROLET	TRAVERSE	2012
CHEVROLET	TRAVERSE	2011
CHEVROLET	TRAVERSE	2010
CHEVROLET	TRAVERSE	2009
FERRARI		
FERRARI	488 GTB	2018
FERRARI	488 GTB	2017
FERRARI	488 GTB	2016
FERRARI	488 SPIDER	2018
FERRARI	488 SPIDER	2017
FERRARI	488 SPIDER	2016
FERRARI	812 SUPERFAST	2018
FERRARI	GTC 4 LUSO T	2018
FERRARI	GTC4 LUSO	2018
FERRARI	GTC4 LUSO	2017
FORD		
FORD	ECOSPORT	2018
FORD	EDGE	2018

MAKE	MODEL	YEAR
FORD	EDGE	2017
FORD	EDGE	2016
FORD	EDGE	2015
FORD	EDGE	2014
FORD	EDGE	2013
FORD	EDGE	2012
FORD	ESCAPE	2018
FORD	ESCAPE	2017
FORD	ESCAPE	2016
FORD	ESCAPE	2015
FORD	ESCAPE	2014
FORD	ESCAPE	2013
FORD	EXPEDITION	2018
FORD	EXPEDITION	2017
FORD	EXPEDITION	2016
FORD	EXPEDITION	2015
FORD	EXPLORER	2018
FORD	EXPLORER	2017
FORD	EXPLORER	2016
FORD	EXPLORER	2015
FORD	EXPLORER	2014
FORD	EXPLORER	2013
FORD	EXPLORER	2012
FORD	F150	2018
FORD	F150	2017
FORD	F150	2016
FORD	F150	2015
FORD	F150	2014
FORD	F150	2013
FORD	F150	2012
FORD	F150	2011
FORD	FIESTA	2017
FORD	FIESTA	2016
FORD	FIESTA	2015
FORD	FIESTA	2014

A Fuel System Cleaning Service is one of the most profitable services a Quick Lube offers — Yet, on average Quick Lubes are only selling 1% - 2% of total car count a FSCS

## The Opportunity is in the Numbers!

Number of Locations:	1
Average Daily Car Count per Location:	24
Days Open for Business Annually:	362
Total Annual Car Count:	9,050
Cost Of Goods per Service (Price varies by Distributor): Service Price:	\$9.00
Service Price:	\$125.00
Profit \$:	\$116.00
Profit %:	92.80%

For every 1% Increase in the FSCS Sales Rate %, one Quick Lube location realizes an increase of \$11,375 in Sales and **\$10,556 in Profit!**

ITW Professional Automotive Products has a plan to help Quick Lubes achieve a FSCS Sales Rate % Goal of 10%!

FSCS Sales Rate % to Car Count	Services Sold	FSCS Cost	FSCS Sales	FSCS Profit \$	FSCS Profit %	Incremental Sales Gain	Incremental Profit Gain	Incremental Sales per % Increase	Incremental Profit per % Increase
1%	90	\$810	\$11,250	\$10,440	92.80%	-	-	-	-
2%	181	\$1,629	\$22,625	\$20,996	92.80%	\$11,375	\$10,556	\$11,375	\$10,556
3%	271	\$2,439	\$33,875	\$31,436	92.80%	\$22,625	\$20,996	\$11,375	\$10,556
4%	362	\$3,258	\$45,250	\$41,992	92.80%	\$34,000	\$31,552	\$11,375	\$10,556
5%	452	\$4,068	\$56,500	\$52,432	92.80%	\$45,250	\$41,992	\$11,375	\$10,556
6%	543	\$4,887	\$67,875	\$62,988	92.80%	\$56,625	\$52,548	\$11,375	\$10,556
7%	633	\$5,697	\$79,125	\$73,428	92.80%	\$67,875	\$62,988	\$11,375	\$10,556
8%	724	\$6,516	\$90,375	\$83,880	92.80%	\$79,125	\$73,544	\$11,375	\$10,556
9%	814	\$7,326	\$101,750	\$94,424	92.80%	\$90,500	\$83,984	\$11,375	\$10,556
10%	905	\$8,145	\$113,125	\$104,980	92.80%	\$101,875	\$94,540	\$11,375	\$10,556



## How Much Are You Charging for a Fuel System Cleaning Service — an “Induction Service”?

### Are You Charging Enough?

Here is what Dealerships across the US are charging. Most require an appointment to be scheduled and the service takes 1 ½ hours...

LOCATION	PHONE	SERVICE COST	LOCATION	PHONE	SERVICE COST
CHEVROLET of NAPERVILLE	855-270-3602	FSCS: \$129.95	Mike ANDERSON CHEVROLET of Chicago	773-465-2000	FSCS: \$220.00
GWINNETT Stone Mountain, GA	770-676-1171	FSCS: \$190.00 GDI FSCS: \$260.00	CARROLL BROS. PLANET Ford Quick Lane	888-501-9013	FSCS: \$299.99
SEWELL BUICK GMC OF DALLAS	214-350-8000	FSCS: \$216.00 FUEL INJECTOR SERVICE: \$159.00	Audi Seattle	888-822-5612	CARBON BUILD-UP SERVICE: \$1100.00 <b>YES! \$1100!</b> <i>I asked three times!</i>
TOYOTA OF GLENDALE BRAND BOULEVARD OF CARS	888-569-6570	FSCS: \$169.00	SLOANE Honda	215-305-5002	FSCS: \$105.50
EAST CHARLOTTE NISSAN	844-448-9439	FSCS: \$139.95			



MAKE	MODEL	YEAR
FORD	FLEX	2019
FORD	FLEX	2018
FORD	FLEX	2017
FORD	FLEX	2016
FORD	FLEX	2015
FORD	FLEX	2014
FORD	FLEX	2013
FORD	FLEX	2012
FORD	FLEX	2011
FORD	FLEX	2010
FORD	FOCUS	2018
FORD	FOCUS	2017
FORD	FOCUS	2016
FORD	FOCUS	2015
FORD	FOCUS	2014
FORD	FOCUS	2013
FORD	FOCUS	2012
FORD	FUSION	2018
FORD	FUSION	2017
FORD	FUSION	2016
FORD	FUSION	2015
FORD	FUSION	2014
FORD	FUSION	2013
FORD	GT	2018
FORD	GT	2017
FORD	MUSTANG	2018
FORD	MUSTANG	2017
FORD	MUSTANG	2016
FORD	MUSTANG	2015
FORD	TAURUS	2018
FORD	TAURUS	2017
FORD	TAURUS	2016
FORD	TAURUS	2015
FORD	TAURUS	2014
FORD	TAURUS	2013

MAKE	MODEL	YEAR
FORD	TAURUS	2012
FORD	TAURUS	2011
FORD	TAURUS	2010
FORD	TRANSIT	2018
FORD	TRANSIT	2017
FORD	TRANSIT	2016
FORD	TRANSIT	2015
FORD	TRANSIT CONNECT	2016
FORD	TRANSIT CONNECT	2015
FORD	TRANSIT CONNECT	2014
GENESIS		
GENESIS	G80	2019
GENESIS	G80	2018
GENESIS	G80	2017
GENESIS	G90	2018
GENESIS	G90	2017
GMC		
GMC	ACADIA	2018
GMC	ACADIA	2017
GMC	ACADIA	2016
GMC	ACADIA	2015
GMC	ACADIA	2014
GMC	ACADIA	2013
GMC	ACADIA	2012
GMC	ACADIA	2011
GMC	ACADIA	2010
GMC	ACADIA	2009
GMC	ACADIA LIMITED	2017
GMC	CANYON	2018
GMC	CANYON	2017
GMC	CANYON	2016
GMC	CANYON	2015
GMC	SAVANA	2018
GMC	SIERRA	2018
GMC	SIERRA	2017

MAKE	MODEL	YEAR
GMC	SIERRA	2016
GMC	SIERRA	2015
GMC	SIERRA	2014
GMC	TERRAIN	2018
GMC	TERRAIN	2017
GMC	TERRAIN	2016
GMC	TERRAIN	2015
GMC	TERRAIN	2014
GMC	TERRAIN	2013
GMC	TERRAIN	2012
GMC	TERRAIN	2011
GMC	TERRAIN	2010
GMC	TERRAIN	2009
GMC	YUKON	2018
GMC	YUKON	2017
GMC	YUKON	2016
GMC	YUKON	2015
GMC	YUKON XL	2018
GMC	YUKON XL	2017
GMC	YUKON XL	2016
GMC	YUKON XL	2015
HONDA		
HONDA	ACCORD	2018
HONDA	ACCORD	2017
HONDA	ACCORD	2016
HONDA	ACCORD	2015
HONDA	ACCORD	2014
HONDA	ACCORD	2013
HONDA	CIVIC	2018
HONDA	CIVIC	2017
HONDA	CIVIC	2016
HONDA	CR-V	2018
HONDA	CR-V	2017
HONDA	CR-V	2016
HONDA	CR-V	2015

MAKE	MODEL	YEAR
HONDA	FIT	2018
HONDA	FIT	2017
HONDA	FIT	2016
HONDA	FIT	2015
HONDA	HR-V	2018
HONDA	HR-V	2017
HONDA	HR-V	2016
HONDA	RIDGELINE	2019
HYUNDAI		
HYUNDAI	ACCENT	2018
HYUNDAI	ACCENT	2017
HYUNDAI	ACCENT	2016
HYUNDAI	ACCENT	2015
HYUNDAI	ACCENT	2014
HYUNDAI	ACCENT	2013
HYUNDAI	ACCENT	2012
HYUNDAI	AZERA	2017
HYUNDAI	AZERA	2016
HYUNDAI	AZERA	2015
HYUNDAI	AZERA	2014
HYUNDAI	AZERA	2013
HYUNDAI	AZERA	2012
HYUNDAI	ELANTRA	2018
HYUNDAI	ELANTRA	2017
HYUNDAI	ELANTRA	2016
HYUNDAI	ELANTRA	2015
HYUNDAI	ELANTRA	2014
HYUNDAI	ELANTRA	2013
HYUNDAI	ELANTRA COUPE	2014
HYUNDAI	ELANTRA COUPE	2013
HYUNDAI	ELANTRA GT	2018
HYUNDAI	ELANTRA GT	2017
HYUNDAI	ELANTRA GT	2016
HYUNDAI	ELANTRA GT	2015
HYUNDAI	ELANTRA GT	2014



MAKE	MODEL	YEAR
HYUNDAI	ELANTRA GT	2013
HYUNDAI	EQUUS	2016
HYUNDAI	EQUUS	2015
HYUNDAI	EQUUS	2014
HYUNDAI	EQUUS	2013
HYUNDAI	EQUUS	2012
HYUNDAI	GENESIS	2016
HYUNDAI	GENESIS	2015
HYUNDAI	GENESIS	2014
HYUNDAI	GENESIS	2013
HYUNDAI	GENESIS	2012
HYUNDAI	GENESIS COUPE	2016
HYUNDAI	GENESIS COUPE	2015
HYUNDAI	GENESIS COUPE	2014
HYUNDAI	GENESIS COUPE	2013
HYUNDAI	KONA	2018
HYUNDAI	SANTA FE	2018
HYUNDAI	SANTA FE	2017
HYUNDAI	SANTA FE	2016
HYUNDAI	SANTA FE	2015
HYUNDAI	SANTA FE	2014
HYUNDAI	SANTA FE	2013
HYUNDAI	SANTA FE SPORT	2018
HYUNDAI	SANTA FE SPORT	2017
HYUNDAI	SANTA FE SPORT	2016
HYUNDAI	SANTA FE SPORT	2015
HYUNDAI	SANTA FE SPORT	2014
HYUNDAI	SANTA FE SPORT	2013
HYUNDAI	SANTA FE XL	2019
HYUNDAI	SONATA	2018
HYUNDAI	SONATA	2017
HYUNDAI	SONATA	2016
HYUNDAI	SONATA	2015
HYUNDAI	SONATA	2014
HYUNDAI	SONATA	2013

MAKE	MODEL	YEAR
HYUNDAI	SONATA	2012
HYUNDAI	SONATA	2011
HYUNDAI	TUCSON	2018
HYUNDAI	TUCSON	2017
HYUNDAI	TUCSON	2016
HYUNDAI	TUCSON	2015
HYUNDAI	TUCSON	2014
HYUNDAI	VELOSTER	2019
HYUNDAI	VELOSTER	2018
HYUNDAI	VELOSTER	2017
HYUNDAI	VELOSTER	2016
HYUNDAI	VELOSTER	2015
HYUNDAI	VELOSTER	2014
HYUNDAI	VELOSTER	2013
HYUNDAI	VELOSTER	2012
INFINITI		
INFINITI	M56	2013
INFINITI	M56	2012
INFINITI	M56	2011
INFINITI	Q50	2019
INFINITI	Q50	2018
INFINITI	Q50	2017
INFINITI	Q50	2016
INFINITI	Q60	2018
INFINITI	Q60	2017
INFINITI	Q70	2018
INFINITI	Q70	2017
INFINITI	Q70	2016
INFINITI	Q70	2015
INFINITI	Q70	2014
INFINITI	Q70L	2018
INFINITI	Q70L	2017
INFINITI	Q70L	2016
INFINITI	Q70L	2015

MAKE	MODEL	YEAR
<b>ISUZU</b>		
ISUZU	NPR	2018
ISUZU	NPR	2017
ISUZU	NPR	2016
ISUZU	NPR	2015
ISUZU	NPR	2014
<b>JAGUAR</b>		
JAGUAR	E-PACE	2018
JAGUAR	F-PACE	2019
JAGUAR	F-PACE	2018
JAGUAR	F-PACE	2017
JAGUAR	F-TYPE	2018
JAGUAR	F-TYPE	2017
JAGUAR	F-TYPE	2016
JAGUAR	F-TYPE	2015
JAGUAR	F-TYPE	2014
JAGUAR	XE	2018
JAGUAR	XE	2017
JAGUAR	XF	2019
JAGUAR	XF	2018
JAGUAR	XF	2017
JAGUAR	XF	2016
JAGUAR	XF	2015
JAGUAR	XF	2014
JAGUAR	XF	2013
JAGUAR	XF	2012
JAGUAR	XF	2011
JAGUAR	XF	2010
JAGUAR	XJ	2018
JAGUAR	XJ	2017
JAGUAR	XJ	2016
JAGUAR	XJ	2015
JAGUAR	XJ	2014
JAGUAR	XJ	2013
JAGUAR	XJ	2012

MAKE	MODEL	YEAR
JAGUAR	XJ	2011
JAGUAR	XJ	2010
JAGUAR	XJL	2018
JAGUAR	XJL	2017
JAGUAR	XJL	2016
JAGUAR	XJL	2015
JAGUAR	XJL	2014
JAGUAR	XJL	2013
JAGUAR	XJL	2012
JAGUAR	XJL	2011
JAGUAR	XJL	2010
JAGUAR	XJR	2018
JAGUAR	XJR	2017
JAGUAR	XJR	2016
JAGUAR	XJR	2015
JAGUAR	XJR	2014
JAGUAR	XK	2015
JAGUAR	XK	2014
JAGUAR	XK	2013
JAGUAR	XK	2012
JAGUAR	XK	2011
JAGUAR	XK	2010
JAGUAR	XKR	2015
JAGUAR	XKR	2014
JAGUAR	XKR	2013
JAGUAR	XKR	2012
JAGUAR	XKR	2011
JAGUAR	XKR	2010
<b>JEEP</b>		
JEEP	CHEROKEE	2019
JEEP	WRANGLER	2018
JEEP	WRANGLER UNLIMITED	2018
<b>KIA</b>		
KIA	CADENZA	2018
KIA	CADENZA	2017



MAKE	MODEL	YEAR
KIA	CADENZA	2016
KIA	CADENZA	2015
KIA	CADENZA	2014
KIA	FORTE	2018
KIA	FORTE	2017
KIA	FORTE	2016
KIA	FORTE	2015
KIA	FORTE	2014
KIA	K900	2018
KIA	K900	2017
KIA	K900	2016
KIA	K900	2015
KIA	OPTIMA	2018
KIA	OPTIMA	2017
KIA	OPTIMA	2016
KIA	OPTIMA	2015
KIA	OPTIMA	2014
KIA	OPTIMA	2013
KIA	OPTIMA	2012
KIA	OPTIMA	2011
KIA	RONDO	2016
KIA	RONDO	2015
KIA	RONDO	2014
KIA	SEDONA	2018
KIA	SEDONA	2017
KIA	SEDONA	2016
KIA	SEDONA	2015
KIA	SORENTO	2019
KIA	SORENTO	2018
KIA	SORENTO	2017
KIA	SORENTO	2016
KIA	SOUL	2018
KIA	SOUL	2017
KIA	SOUL	2016
KIA	SOUL	2015

MAKE	MODEL	YEAR
KIA	SOUL	2014
KIA	SOUL	2013
KIA	SOUL	2012
KIA	SPORTAGE	2018
KIA	SPORTAGE	2017
KIA	SPORTAGE	2016
KIA	SPORTAGE	2015
KIA	SPORTAGE	2014
KIA	SPORTAGE	2013
KIA	SPORTAGE	2012
KIA	STINGER	2018
LAMBORGHINI		
LAMBORGHINI	HURACAN	2018
LAMBORGHINI	HURACAN	2017
LAMBORGHINI	HURACAN	2016
LAMBORGHINI	HURACAN	2015
LAMBORGHINI	URUS	2019
LAND ROVER		
LAND ROVER	DISCOVERY	2018
LAND ROVER	DISCOVERY	2017
LAND ROVER	DISCOVERY SPORT	2018
LAND ROVER	DISCOVERY SPORT	2017
LAND ROVER	DISCOVERY SPORT	2016
LAND ROVER	DISCOVERY SPORT	2015
LAND ROVER	LR2	2015
LAND ROVER	LR2	2014
LAND ROVER	LR2	2013
LAND ROVER	LR4	2016
LAND ROVER	LR4	2015
LAND ROVER	LR4	2014
LAND ROVER	LR4	2013
LAND ROVER	LR4	2012
LAND ROVER	LR4	2011
LAND ROVER	LR4	2010
LAND ROVER	RANGE ROVER	2018

MAKE	MODEL	YEAR
LAND ROVER	RANGE ROVER	2017
LAND ROVER	RANGE ROVER	2016
LAND ROVER	RANGE ROVER	2015
LAND ROVER	RANGE ROVER	2014
LAND ROVER	RANGE ROVER	2013
LAND ROVER	RANGE ROVER	2012
LAND ROVER	RANGE ROVER	2011
LAND ROVER	RANGE ROVER	2010
LAND ROVER	RANGE ROVER EVOQUE	2018
LAND ROVER	RANGE ROVER EVOQUE	2017
LAND ROVER	RANGE ROVER EVOQUE	2016
LAND ROVER	RANGE ROVER EVOQUE	2015
LAND ROVER	RANGE ROVER EVOQUE	2014
LAND ROVER	RANGE ROVER EVOQUE	2013
LAND ROVER	RANGE ROVER SPORT	2018
LAND ROVER	RANGE ROVER SPORT	2017
LAND ROVER	RANGE ROVER SPORT	2016
LAND ROVER	RANGE ROVER SPORT	2015
LAND ROVER	RANGE ROVER SPORT	2014
LAND ROVER	RANGE ROVER SPORT	2013
LAND ROVER	RANGE ROVER SPORT	2012
LAND ROVER	RANGE ROVER SPORT	2011
LAND ROVER	RANGE ROVER SPORT	2010
LAND ROVER	RANGE ROVER VELAR	2018
LEXUS		
LEXUS	NX	2018
LEXUS	NX	2017
LEXUS	NX	2016
LEXUS	NX	2015
LINCOLN		
LINCOLN	CONTINENTAL	2018
LINCOLN	CONTINENTAL	2017
LINCOLN	MKC	2019
LINCOLN	MKC	2018
LINCOLN	MKC	2017

MAKE	MODEL	YEAR
LINCOLN	MKC	2016
LINCOLN	MKC	2015
LINCOLN	MKS	2016
LINCOLN	MKS	2015
LINCOLN	MKS	2014
LINCOLN	MKS	2013
LINCOLN	MKS	2012
LINCOLN	MKS	2011
LINCOLN	MKS	2010
LINCOLN	MKT	2019
LINCOLN	MKT	2018
LINCOLN	MKT	2017
LINCOLN	MKT	2016
LINCOLN	MKT	2015
LINCOLN	MKT	2014
LINCOLN	MKT	2013
LINCOLN	MKT	2012
LINCOLN	MKT	2011
LINCOLN	MKT	2010
LINCOLN	MKX	2018
LINCOLN	MKX	2017
LINCOLN	MKX	2016
LINCOLN	MKZ	2018
LINCOLN	MKZ	2017
LINCOLN	MKZ	2016
LINCOLN	MKZ	2015
LINCOLN	MKZ	2014
LINCOLN	MKZ	2013
LINCOLN	NAVIGATOR	2018
LINCOLN	NAVIGATOR	2017
LINCOLN	NAVIGATOR	2016
LINCOLN	NAVIGATOR	2015
MASERATI		
MASERATI	Ghibli	2018
MASERATI	Ghibli	2017



MAKE	MODEL	YEAR
MASERATI	GHIBLI	2016
MASERATI	GHIBLI	2015
MASERATI	GHIBLI	2014
MASERATI	LEVANTE	2018
MASERATI	LEVANTE	2017
MASERATI	QUATTROPORTE	2018
MASERATI	QUATTROPORTE	2017
MASERATI	QUATTROPORTE	2016
MASERATI	QUATTROPORTE	2015
MAZDA		
MAZDA	3	2018
MAZDA	3	2017
MAZDA	3	2016
MAZDA	3	2015
MAZDA	3	2014
MAZDA	3	2013
MAZDA	3	2012
MAZDA	6	2018
MAZDA	6	2017
MAZDA	6	2016
MAZDA	CX-3	2019
MAZDA	CX-3	2018
MAZDA	CX-3	2017
MAZDA	CX-3	2016
MAZDA	CX-5	2018
MAZDA	CX-5	2017
MAZDA	CX-5	2016
MAZDA	CX-7	2008
MAZDA	CX-9	2018
MAZDA	CX-9	2017
MAZDA	CX-9	2016
MAZDA	MAZDA2	2016
MAZDA	MX-5 MIATA	2018
MAZDA	MX-5 MIATA	2017
MAZDA	MX-5 MIATA	2016

MAKE	MODEL	YEAR
MAZDA	SPEED	2008
MCLAREN AUTOMOTIVE		
MCLAREN AUTOMOTIVE	650S	2016
MCLAREN AUTOMOTIVE	650S	2015
MERCEDES-BENZ		
MERCEDES-BENZ	AMG GT	2018
MERCEDES-BENZ	AMG GT	2017
MERCEDES-BENZ	AMG GT	2016
MERCEDES-BENZ	C Class	2018
MERCEDES-BENZ	C Class	2017
MERCEDES-BENZ	C Class	2016
MERCEDES-BENZ	C Class	2015
MERCEDES-BENZ	C Class	2014
MERCEDES-BENZ	C Class	2013
MERCEDES-BENZ	C Class	2012
MERCEDES-BENZ	CL	2014
MERCEDES-BENZ	CL	2013
MERCEDES-BENZ	CL	2012
MERCEDES-BENZ	CL	2011
MERCEDES-BENZ	CLA	2018
MERCEDES-BENZ	CLA	2017
MERCEDES-BENZ	CLA	2016
MERCEDES-BENZ	CLA	2015
MERCEDES-BENZ	CLS	2018
MERCEDES-BENZ	CLS	2017
MERCEDES-BENZ	CLS	2016
MERCEDES-BENZ	CLS	2015
MERCEDES-BENZ	CLS	2014
MERCEDES-BENZ	CLS	2013
MERCEDES-BENZ	CLS	2012
MERCEDES-BENZ	E Class	2018
MERCEDES-BENZ	E Class	2017
MERCEDES-BENZ	E Class	2016
MERCEDES-BENZ	E Class	2015
MERCEDES-BENZ	E Class	2014

MAKE	MODEL	YEAR
MERCEDES-BENZ	E Class	2013
MERCEDES-BENZ	E Class	2012
MERCEDES-BENZ	GL	2016
MERCEDES-BENZ	GL	2015
MERCEDES-BENZ	GL	2014
MERCEDES-BENZ	GL	2013
MERCEDES-BENZ	GLA	2018
MERCEDES-BENZ	GLA	2017
MERCEDES-BENZ	GLA	2016
MERCEDES-BENZ	GLA	2015
MERCEDES-BENZ	GLC	2018
MERCEDES-BENZ	GLC	2017
MERCEDES-BENZ	GLC	2016
MERCEDES-BENZ	GLC COUPE	2018
MERCEDES-BENZ	GLC COUPE	2017
MERCEDES-BENZ	GLE	2018
MERCEDES-BENZ	GLE	2017
MERCEDES-BENZ	GLE	2016
MERCEDES-BENZ	GLE COUPE	2018
MERCEDES-BENZ	GLE COUPE	2017
MERCEDES-BENZ	GLE COUPE	2016
MERCEDES-BENZ	GLK	2015
MERCEDES-BENZ	GLK	2014
MERCEDES-BENZ	GLK	2013
MERCEDES-BENZ	GLS	2018
MERCEDES-BENZ	GLS	2017
MERCEDES-BENZ	METRIS	2018
MERCEDES-BENZ	METRIS	2017
MERCEDES-BENZ	METRIS	2016
MERCEDES-BENZ	ML	2015
MERCEDES-BENZ	ML	2014
MERCEDES-BENZ	ML	2013
MERCEDES-BENZ	ML	2012
MERCEDES-BENZ	S Class	2018
MERCEDES-BENZ	S Class	2017

MAKE	MODEL	YEAR
MERCEDES-BENZ	S Class	2016
MERCEDES-BENZ	S Class	2015
MERCEDES-BENZ	S Class	2014
MERCEDES-BENZ	S Class	2013
MERCEDES-BENZ	S Class	2012
MERCEDES-BENZ	SL	2018
MERCEDES-BENZ	SL	2017
MERCEDES-BENZ	SL	2016
MERCEDES-BENZ	SL	2015
MERCEDES-BENZ	SL	2014
MERCEDES-BENZ	SL	2013
MERCEDES-BENZ	SLC	2018
MERCEDES-BENZ	SLC	2017
MERCEDES-BENZ	SLK	2016
MERCEDES-BENZ	SLK	2015
MERCEDES-BENZ	SLK	2014
MERCEDES-BENZ	SLK	2013
MERCEDES-BENZ	SLK	2012
MINI		
MINI	COOPER	2018
MINI	COOPER	2017
MINI	COOPER	2016
MINI	COOPER	2015
MINI	COOPER	2014
MINI	COOPER	2013
MINI	COOPER	2012
MINI	COOPER	2011
MINI	COOPER COUPE	2015
MINI	COOPER COUPE	2014
MINI	COOPER COUPE	2013
MINI	COOPER COUPE	2012
MINI	COOPER ROADSTER	2015
MINI	COOPER ROADSTER	2014
MINI	COOPER ROADSTER	2013



MAKE	MODEL	YEAR
<b>NISSAN</b>		
NISSAN	ARMADA	2018
NISSAN	ARMADA	2017
NISSAN	GT-R	2018
NISSAN	GT-R	2017
NISSAN	GT-R	2016
NISSAN	GT-R	2015
NISSAN	GT-R	2014
NISSAN	GT-R	2013
NISSAN	GT-R	2012
NISSAN	GT-R	2011
NISSAN	GT-R	2010
NISSAN	GT-R	2009
NISSAN	JUKE	2017
NISSAN	JUKE	2016
NISSAN	JUKE	2015
NISSAN	JUKE	2014
NISSAN	JUKE	2013
NISSAN	JUKE	2012
NISSAN	JUKE	2011
NISSAN	PATHFINDER	2018
NISSAN	PATHFINDER	2017
NISSAN	SENTRA	2018
NISSAN	SENTRA	2017
NISSAN	TITAN	2018
NISSAN	TITAN	2017
NISSAN	TITAN XD	2018
NISSAN	TITAN XD	2017
NISSAN	TITAN XD	2016
<b>PONTIAC</b>		
PONTIAC	SOLSTICE	2010
PONTIAC	SOLSTICE	2009
PONTIAC	SOLSTICE	2008
PONTIAC	SOLSTICE	2007
PONTIAC	VIBE	2010

MAKE	MODEL	YEAR
<b>PORSCHE</b>		
PORSCHE	911	2018
PORSCHE	911	2017
PORSCHE	911	2016
PORSCHE	911	2015
PORSCHE	911	2014
PORSCHE	911	2013
PORSCHE	911	2012
PORSCHE	911	2011
PORSCHE	911	2010
PORSCHE	BOXSTER	2018
PORSCHE	BOXSTER	2017
PORSCHE	BOXSTER	2016
PORSCHE	BOXSTER	2015
PORSCHE	BOXSTER	2014
PORSCHE	BOXSTER	2013
PORSCHE	CAYENNE	2018
PORSCHE	CAYENNE	2017
PORSCHE	CAYENNE	2016
PORSCHE	CAYENNE	2015
PORSCHE	CAYENNE	2014
PORSCHE	CAYENNE	2013
PORSCHE	CAYENNE	2012
PORSCHE	CAYENNE	2011
PORSCHE	CAYMAN	2018
PORSCHE	CAYMAN	2017
PORSCHE	CAYMAN	2016
PORSCHE	CAYMAN	2015
PORSCHE	CAYMAN	2014
PORSCHE	MACAN	2018
PORSCHE	MACAN	2017
PORSCHE	MACAN	2016
PORSCHE	MACAN	2015
PORSCHE	PANAMERA	2019
PORSCHE	PANAMERA	2018

MAKE	MODEL	YEAR
PORSCHE	PANAMERA	2017
PORSCHE	PANAMERA	2016
PORSCHE	PANAMERA	2015
PORSCHE	PANAMERA	2014
PORSCHE	PANAMERA	2013
PORSCHE	PANAMERA	2012
PORSCHE	PANAMERA	2011
PORSCHE	PANAMERA	2010
ROLLS-ROYCE		
ROLLS-ROYCE	DAWN	2018
ROLLS-ROYCE	DAWN	2017
ROLLS-ROYCE	DAWN	2016
ROLLS-ROYCE	GHOST	2018
ROLLS-ROYCE	GHOST	2017
ROLLS-ROYCE	GHOST	2016
ROLLS-ROYCE	GHOST	2015
ROLLS-ROYCE	GHOST	2014
ROLLS-ROYCE	GHOST	2013
ROLLS-ROYCE	PHANTOM	2018
ROLLS-ROYCE	PHANTOM	2017
ROLLS-ROYCE	PHANTOM	2016
ROLLS-ROYCE	PHANTOM	2015
ROLLS-ROYCE	PHANTOM	2014
ROLLS-ROYCE	PHANTOM	2013
ROLLS-ROYCE	WRAITH	2018
ROLLS-ROYCE	WRAITH	2017
ROLLS-ROYCE	WRAITH	2016
ROLLS-ROYCE	WRAITH	2015
ROLLS-ROYCE	WRAITH	2014
SAAB		
SAAB	9-4X	2012
SATURN		
SATURN	OUTLOOK	2010
SATURN	OUTLOOK	2009
SATURN	SKY	2010

MAKE	MODEL	YEAR
SATURN	SKY	2009
SATURN	SKY	2008
SUBARU		
SUBARU	ASCENT	2019
SUBARU	CROSSTREK	2019
TOYOTA		
TOYOTA	AVALON	2019
TOYOTA	CAMRY	2019
TOYOTA	COROLLA	2019
TOYOTA	COROLLA IM	2018
TOYOTA	COROLLA IM	2017
TOYOTA	SCION IM	2016
TOYOTA	SIENNA	2019
TOYOTA	TACOMA	2019
TOYOTA	TUNDRA	2019
TOYOTA	TUNDRA	2018
TOYOTA	TUNDRA	2017
TOYOTA	TUNDRA	2016
TOYOTA	TUNDRA	2015
TOYOTA	YARIS	2018
TOYOTA	YARIS	2017
TOYOTA	YARIS	2016
TOYOTA	YARIS	2015
VOLKSWAGON		
VOLKSWAGEN	ATLAS	2019
VOLKSWAGEN	ATLAS	2018
VOLKSWAGEN	BEETLE	2018
VOLKSWAGEN	BEETLE	2017
VOLKSWAGEN	BEETLE	2016
VOLKSWAGEN	BEETLE	2015
VOLKSWAGEN	BEETLE	2014
VOLKSWAGEN	BEETLE	2013
VOLKSWAGEN	CC	2017
VOLKSWAGEN	CC	2016
VOLKSWAGEN	CC	2015



MAKE	MODEL	YEAR
VOLKSWAGEN	GOLF	2018
VOLKSWAGEN	GOLF	2017
VOLKSWAGEN	GOLF	2016
VOLKSWAGEN	GOLF	2015
VOLKSWAGEN	GOLF ALLTRACK	2018
VOLKSWAGEN	GOLF ALLTRACK	2017
VOLKSWAGEN	GOLF SPORTWAGEN	2018
VOLKSWAGEN	GOLF SPORTWAGEN	2017
VOLKSWAGEN	GOLF SPORTWAGEN	2016
VOLKSWAGEN	GOLF SPORTWAGEN	2015
VOLKSWAGEN	GTI	2018
VOLKSWAGEN	GTI	2017
VOLKSWAGEN	GTI	2016
VOLKSWAGEN	GTI	2015
VOLKSWAGEN	JETTA	2019
VOLKSWAGEN	JETTA	2018
VOLKSWAGEN	JETTA	2017
VOLKSWAGEN	JETTA	2016
VOLKSWAGEN	JETTA	2015
VOLKSWAGEN	JETTA	2014
VOLKSWAGEN	JETTA	2013
VOLKSWAGEN	PASSAT	2018
VOLKSWAGEN	PASSAT	2017
VOLKSWAGEN	PASSAT	2016
VOLKSWAGEN	PASSAT	2015
VOLKSWAGEN	PASSAT	2014
VOLKSWAGEN	TIGUAN	2019
VOLKSWAGEN	TIGUAN	2018
VOLKSWAGEN	TIGUAN	2017
VOLKSWAGEN	TIGUAN	2016
VOLKSWAGEN	TIGUAN	2015
VOLKSWAGEN	TIGUAN LIMITED	2018
VOLKSWAGEN	TOUAREG	2017
VOLKSWAGEN	TOUAREG	2016
VOLKSWAGEN	TOUAREG	2015

MAKE	MODEL	YEAR
<b>VOLVO</b>		
VOLVO	S60	2018
VOLVO	S60	2017
VOLVO	S60	2016
VOLVO	S60	2015
VOLVO	S60 CROSS COUNTRY	2018
VOLVO	S60 CROSS COUNTRY	2017
VOLVO	S60 CROSS COUNTRY	2016
VOLVO	S90	2019
VOLVO	S90	2018
VOLVO	S90	2017
VOLVO	V60	2018
VOLVO	V60	2017
VOLVO	V60	2016
VOLVO	V60	2015
VOLVO	V60 CROSS COUNTRY	2018
VOLVO	V60 CROSS COUNTRY	2017
VOLVO	V60 CROSS COUNTRY	2016
VOLVO	V60 CROSS COUNTRY	2015
VOLVO	V90	2019
VOLVO	V90	2018
VOLVO	XC60	2017
VOLVO	XC60	2016
VOLVO	XC60	2015
VOLVO	XC70	2016
VOLVO	XC70	2015