

NATOMAS SMOG SHOP
 925 NATIONAL DRIVE
 SUITE 105
 SACRAMENTO CA 95834
 (916) 922-1442
 BAR :ARD00253253
 EPA ID: CAL000399599

12/1/2016 2:40 PM

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Invoice #1052

Snelson, Mitchell
 925 National Drive
 #103

Day Phone : 916 419 1604

Sacramento CA 95834

Vehicle : 2013 Ford Truck F150 1/2 Ton - Pickup 3.5 L 213 CID V6

Tag/State : 80324L1 / CA

VIN : 1FTFW1CT4DKF05201

Created : 12/1/2016 10:30:23 AM

Odometer In : 101984

Complete : 12/1/2016 11:31:01 AM

Odometer Out : 101984

Invoiced : 12/1/2016 2:39:56 PM

Srv Writer: 73

Qty	Code/Tech*	Reference	Description	Condition	Unit Price	Price
	JL*		CONCERN, CAUSE, AND CORRECTION			

Customer States:

Drive ability concerns. Customer states there is a stumble felt in the engine at cruising speeds when decelerating and upon initial acceleration. The roughness/stumble can be felt when the vehicle is coming to a stop as well (E.G. Coming to a stoplight). Please check and advise.

JL* RESULTS

- KOEO - Snap-On Solis Ultra - Scan Tool Data reveals:
 Misfire Data Engine - Subcategory - Misfire data-
 Misfire Freeze Frame Data

Engine load at time of misfire (%) 49.0
 Engine RPM at time of misfire - 1266
 Engine running time at time of misfire (HR:min:sec) - 0:09
 Engine soak prior to misfire (HR:min:sec) - 10:19:30
 In gear at time of misfire: No
 Learned misfire correction profile: Yes
 Misfire events during last cycle: 0
 Misfire malfunction detection: No
 Misfire monitoring current status - Enabled
 Number of trips since time of misfire: 7
 TCC lock at time of misfire: No
 Throttle angle at time of misfire (%): 13
 Vehicle speed time of misfire (MPH): 0

The record shows that the engine miss most likely occurred during the morning, when the vehicle first started.
 Also, this engine is known to have carbon build-up on the intake valves.

Labor	.....	\$0.00
Parts	.....	\$0.00
Sublet/Misc.	.....	\$0.00
Other Charges	.....	\$0.00
Charges	.....	\$0.00
Sales Tax	Tax @ \$0.00 * 8.0000%	\$0.00
Total Due		\$0.00

Tech	Certification #
JL	

