

UNIT# GS1912

INVOICE

PAGE 1

BUS:		CELL:		SERVICE ADVISOR:			
COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG	
	15	FREIGHTLINER CASCADI	1FUJGHD99FLGS1912		3419/3419	T7029	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
26DEC14 DD			17:00 04AUG15	NEED	105.00	CHG	21AUG15
R.O. OPENED		READY	OPTIONS: SOLD-STK:GS1912 ENG:75035305				
14:26 04AUG15		06:46 21AUG15					
LINE OPCODE TECH TYPE HOURS				LIST	NET	TOTAL	

A DRIVER STATED TRUCK IS BACK FIRING MORE SO UNDER A LOAD

CAUSE: F

EA EXPRESS ASSESSMENT

5108 WARR

PARTS: 0.00 LABOR: 0.00 OTHER: 0.00 TOTAL LINE A:

(N/C)
0.00

3419 EDS SESSION # DSBHV3768.5108 GOT TRUCK IN SHOP AND HOOKED UP AND PRINTED CODES HAD NO ACTIVE CODES AND THEN STARTED EDS SESSION, ENTERED IN BACK FIRE AND FOLLOWED AND ANSWERED QUESTIONS IT WANTED AND CONDUCTED TROUBLESHOOTING UNTIL IT SAID TO PULL THE THERMOSTATS AND CHECK THEM. GOT WITH JOHN AND HE SAID THAT HE THINKS THAT THE EDS FOR BACK FIRING ISSUE IS LEADING US IN THE WRONG DIRECTION, SAID TO CLEAR THE CODES AND RELEASE TRUCK AND LET CUSTOMER PUT LOAD UNDER IT TO SEE WHAT IS GOING ON. CUSTOMER BROUGHT TRUCK BACK SO CALLED CUMMINS AND GOT CONTROL #. HE SAID TO START A NEW EDS AND ENTER SEARCH FOR ENGINE MISS FIRE AND GO OFF OF THAT, NEW EDS SESSION IS DSBHV4979, GOT EDS UP AND STARTED WITH ENGINE MISS FIRE, STEP ONE WAS TO CHECK FOR A MALFUNCTIONING LOW PRESSURE REGULATOR, CHECK FOR ENGINE SURGE, SAID TO START ENGINE AND DO 3 THROTTLE SWEEPS AND THEN RETURN TO IDLE AND ENGINE SHOULDN'T SURGE MORE THAN 100 RPM AND IT DIDNT, NEXT IS TO CHECK IGNITION COIL MALFUNCTION, SO REMOVED AIR FILTER HOUSING AND THE MOUNT FOR IT THEN SAID TO REMOVE EACH COIL AND USE TEST TOOL 4918343 AND REFER TO 013-012 TO CONDUCT TEST, REMOVED EACH COIL AND TESTED IT USING TOOL AND ALL THE COILS GIVE A GOOD HOT BLUE SPARK, NEXT IT SAID TO CHECK FOR A DAMAGED NO SHIELDED SPARK PLUG(S). SO REMOVED ALL 6 SPARK PLUGS USING PROCEDURE 013-016. USED TOOL #3824376 TO REMOVE AND MARK ALL 6 SPARK PLUGS, REFERRED TO SERVICE BULLETIN 438578 TO EVALUATE PLUGS AND SPARK PLUGS FELL UNDER THE GOOD CLEAN USED PLUG SO WIPED PLUGS WITH ALCOHOL WPIES ON THE PORCLIN AND REINSTALLED THEM AND TORQUED TO 28 FTLBS SPEC. GOT WITH CUSTOMER AND THEY SAID TO PUT THE TRUCK BACK TOGETHER SO THEY COULD USE IT AND THEY WOULD BRING IT BACK IF ISSUE IS STILL THERE. SO INSTALLED ALL 6 COIL PACKS AND THEN INSTALLED AIR CLEANER MOUNT AND THE AIR CLEANER HOUSING AND PICKED UP TOOLS AND TEST DROVE TRUCK AGAIN AND COULDN'T DUPLICATE THE COMPLAINT OF A BACK FIRE CUSTOMER TOOK TRUCK. STORE ID# B983043. NO PROBLEM FOUND

DESCRIPTION	TOTALS
LABOR AMOUNT	
PARTS AMOUNT	
FUEL/OIL GREASE	
SUBLET AMOUNT	
SHOP/MISC FEES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	
PLEASE PAY	

UNIT# GS1912

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PAGE 2

BUS:		CELL:		SERVICE ADVISOR:			
COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG	
	15	FREIGHTLINER CASCADI	1FUJGHD99FLGS1912		3419/3419	T7029	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
26DEC14 DD			17:00 04AUG15	NEED	105.00	CHG	21AUG15
R.O. OPENED		READY	OPTIONS SOLD-STK:GS1912 ENG:75035305				
14:26 04AUG15		06:46 21AUG15					
LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL

DESCRIPTION	TOTALS
LABOR AMOUNT	0.00
PARTS AMOUNT	0.00
FUEL/OIL/GREASE	0.00
SUBLET AMOUNT	0.00
SHOP/MISC FEES	0.00
TOTAL CHARGES	0.00
LESS INSURANCE	0.00
SALES TAX	0.00
PLEASE PAY THIS AMOUNT	0.00

UNIT# 7029

INVOICE

SERVICE ADVISOR:

SERVICE ADVISOR:

COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG	
WHITE	15	FREIGHTLINER CASCADI	1FUJGHD99FLGS1912	190049	288861/288861	T738	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PD NO.	RATE	PAYMENT	INV. DATE
26DEC14 DE		26DEC2015	07:00 12AUG19	NEED	129.00	CHG	27AUG19
R.O. OPENED		READY		OPTIONS: SOLD-STK:GS1912 ENG:75035305			
16:51 08AUG19		10:52 27AUG19		TRN:P0822677			
LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL

CI COURTESY ENTRANCE INSPECTION

PARTS: 1088 CP
 0.00 LABOR: 0.00 OTHER: 0.00 TOTAL LINE A: *

B ADVISE ON FRT CRANK SEAL POSSIBLY LEAKING - SEE HISTORY
 100 ENGINE

327 CP
 1090 CP

1 4974921 GASKET, FRONT COVER

PARTS: 17.01 LABOR: 451.50 OTHER: 0.00 TOTAL LINE B:
 288861 327/126201 - INSPECTED OIL MESS ON FRONT OF ENGINE. CHECKED
 CRANK SEAL AND IT APPEARS DRY. CAN SEE THE BACKSIDE AND TOP OF HARMONIC
 BALANCER AND IT APPEARS TO BE CLEAN. WHILE LOOKING UNDERNEATH FOUND
 MESS TO BE COMING FROM MOST FRONT TIMING COVER. PUT IN QUOTE FOR
 PARTS.... 1090/18945ds;; THE SMALL TIN PEANUT COVER L SIDE IN FRONT OF
 AIR COMP TOLD ITS LEAKING, REMOVED BELT, CAC TUBE, FRONT ENG LIFTING
 BRK, FAN BLADES AND FAN HUB FOR ACCESS TO PEANUT FRONT COVER AND
 REMOVED ALL COVER BOLTS AND COVER, CLEANED ALL PARTS, REPLACED SEAL AND
 REASSEMBLED ALL REMOVED PARTS CLEANED AND ASSEMBLED

C INSTALL ECU MODULE THAT IS ON DASH - CUSTOMER SUPPLIED PART AND DOES
 NOT WANT DIAGNOSIS MET- LIABILITY IS WITH SCHMIDT COMPANY
 100 ENGINE

327 CP
 1088 CP

PARTS: 0.00 LABOR: 451.50 OTHER: 0.00 TOTAL LINE C:
 288861 327/126201 - REMOVED OLD WABCO MODULE. INSTALLED NEW ONE.
 TRIED GETTING THE TWO MODULES TO PROGRAM HOWEVER IT WOULDN'T WORK.
 ERROR CODE IS IN RO JACKET. (1088-22138) TRIED TO PROGRAM ABS ECU. HAS
 ERROR B10. RECHECKED FOR CORRECT VIN. CHECKED OK. REMOVED DATA FILE

DESCRIPTION	TOTALS
LABOR AMOUNT	
PARTS AMOUNT	
FUEL/OIL/GREASE	
SUBLET AMOUNT	
SHOP/MISC FEES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	
PLEASE PAY THIS AMOUNT	

UNIT# 7029

INVOICE

SERVICE ADVISOR:

SERVICE ADVISOR:							
COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG	
WHITE	15	FREIGHTLINER CASCADI	1FUJGHD99FLGS1912	190049	288861/288861	T738	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
26DEC14 DE		26DEC2019	07:00 12AUG19	NEED	129.00	CHG	27AUG19
R.O. OPENED		READY	OPTIONS: SOLD-STK:GS1912 ENG:75035305				
16:51 08AUG19		10:52 27AUG19	TRN:P0822677				
LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL

FROM PROGRAM. DOWNLOADED FILE AGAIN VERIFYING VIN AND ECU PART NUMBERS. TRIED TO PROGRAM AGAIN. STILL HAS ERROR B10. CALLED WABCO CUSTOMER CARE CASE #WBA0068457. VERIFIED VIN NUMBER AND ECU PART NUMBERS AGAIN. VERIFIED OLD ECU WAS THE ONE THE VEHICLE CALLED FOR. RYAN SAYS THE OTHER THING THAT CAN CAUSE THIS IS IS ANOTHER MODULE IS REPORTING THE INCORRECT VIN ON THE DATA LINK. CHECKED THE VIN NUMBERS IN THE OTHER MODULES ON THIS UNIT. FOUND THE ENGINE ECU IS PROGRAMMED FOR ONLY THE LAST 6. REMOVED THE ENGINE ECU FROM THE DATA LINK. WAS ABLE TO PROGRAM THE ABS ECU. HOOKED UP ENGINE ECU. CHECKED FOR ABS FAULT CHECKED OK. TEST DROVE. NO FAULTS AND ABS IS WORKING NORMALLY.

DESCRIPTION	TOTALS
LABOR AMOUNT	
PARTS AMOUNT	
FUEL/OIL/GREASE	
SUBLET AMOUNT	
SHOP/MISC FEES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	
PLEASE PAY THIS AMOUNT	1055.46

UNIT# 7029

INVOICE

COLOR	YEAR	MAKE/MODEL		VIN	LICENSE	MILEAGE IN / OUT		TAG
WHITE	15	FREIGHTLINER CASCADI		1FUJGHD99FLGS1912	190049	331167/331167		T314*
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE	
26DEC14 DD		26DEC2015	18:00 08FEB21	STPO17510	140.00	CHG	18FEB21	
R.O. OPENED		READY		OPTIONS: SOLD-STK:GS1912 ENG:75035305ECM1989				
13:15 07FEB21		15:40 18FEB21		TRN:P0822677				
LINE OPCODE TECH TYPE HOURS				LIST	NET	TOTAL		

A TRUCK STILL SHUTS OFF-DIES-MISFIRES WAS HERE FOR THE SAME THING
EA EXPRESS ASSESSMENT

1453 CP
1483 CP

1 2883323 VALVE,FUEL FLOW
1 5530651 VALVE,PRESSURE REGULATOR
1 5347803 COVER,FUEL CONTROL
10 NMC/FLFFLX55260001 HOSE HEATER

PARTS: 1989.53 LABOR: 1400.00 OTHER: 0.00 TOTAL LINE A:
331167 1453- WENT OUT TO LOT AND TOOK A WHILE TO GET TRUCK IN SHOP
BECAUSE HAD TO CLEAN UP SNOW AROUND TRUCK IN ORDER TO GET IT OUT. GOT
TRUCK OUT AND TOOK FOR A TEST DRIVE TO TRY AND DUPLICATE CUSTOMERS
CONCERN. TRUCK STAYED RUNNING THE WHOLE TIME WITH NO PROBLEMS. GOT
TRUCK IN SHOP AND USED INSITE TO CHECK FOR CODES. HAD ONE INACTIVE CODE
FOR POWER LOST WITHOUT IGNITION. CHECKED BATTERY, STARTER, AND
ALTERNATOR CONNECTIONS. ALL WERE TIGHT AND HAD NO CORROSION. CHECKED
FUSES IN PTPDM AND THEY WERE ALL GOOD. STARTED TRUCK AND WENT AROUND
AND WIGGLED ALL HARNESS THAT RELATE TO POWER FOR ECM AND BATTERIES.
TRUCK STAYED RUNNING THE ENTIRE TIME. CALLED CUSTOMER TO GET MORE INFO
AND WAS TOLD THAT IT JUST HAPPENED RANDOMLY. LET TRUCK RUN TO GET IT
HOT AND TRIED AGAIN TO DUPLICATE CONCERN BUT COULD NOT GET TRUCK TO
SHUT OFF. 1483 LOOKED THROUGH DATA AND PERFORMED UPDATE TO ECM FROM
DH10001.21 TO DH10001.25. VERIFIED DATA IS CORRECT. OPERATED UNIT AND
ROAD TESTED AGAIN. NOTICED ENGINE STUMBLING UNDER LOAD. RESET FUEL
CONTROL SETTINGS. NO CHANGE. REPLACED FUEL CONTROL VALVE AND RESET
TABLE. ROAD TESTED. WORKED GOOD AT FIRST THEN ISSUE STARTED AGAIN.
CHECKED BOAST REFERENCE LINE FOR LEAKS. NO LEAKS. INSPECTED LOW
PRESSURE REGULATOR AND FOUND IT HAS THE OLD CAP WHICH WILL COLLECT
WATER AND CORRODE LOW PRESSURE REGULATOR. ORDERED CAP AND REGULATOR.
PULLED FENDER AND GAINED ACCESS TO LOW PRESSURE REGULATOR. SWAPPED OUT
CAP, REGULATOR AND LONGER HOSE. TEST DROVE UNIT. NO ISSUES WITH
RUNNABILITY OR SHUT OFF. WILL NEED MORE INFO IF ISSUE COMES BACK. DONE

DESCRIPTION	TOTALS
LABOR AMOUNT	
PARTS AMOUNT	
FUEL/OIL/GREASE	
SUBLET AMOUNT	
SHOP/MISC FEES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	
PLEASE PAY THIS AMOUNT	

UNIT# 7029

INVOICE

COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG	
WHITE	15	FREIGHTLINER CASCADI	1FUJGHD99FLGS1912	190049	331167/331167	T314*	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
26DEC14 DE		26DEC2015	18:00 08FEB21	STPO17510	140.00	CHG	18FEB21
R.O. OPENED		READY		OPTIONS: SOLD-STK:GS1912 ENG:75035305ECM1989			
13:15 07FEB21		15:40 18FEB21		TRN:P0822677			
LINE OPCODE TECH TYPE HOURS				LIST	NET	TOTAL	

B 402-298-7028 NICK OR BILL

CI COURTESY ENTRANCE INSPECTION

1483 CP

PARTS: 0.00 LABOR: 0.00 OTHER: 0.00 TOTAL LINE B:

DESCRIPTION	TOTALS *
LABOR AMOUNT	
PARTS AMOUNT	
FUEL/OIL/GREASE	
SUBLET AMOUNT	
SHOP/MISC FEES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	
PLEASE PAY THIS AMOUNT	3599.53

UNIT# 7029

INVOICE

SERVICE ADVISOR:

SERVICE ADVISOR:

COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG	
WHITE	15	FREIGHTLINER CA113SL	1FUJGHD99FLGS1912	190049	72514/72514	T7029	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
26DEC14 DE		26DEC2015	17:00 29JUL16	FPTO-6912	115.00	CHG	21JUL16
R.O. OPENED		READY	OPTIONS: SOLD-STK:GS1912 ENG:75035305				
			TRN:P0822677				
18:55 15JUL16		16:00 21JUL16					
LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL

A COURTESY ENTRANCE INSPECTION

CI COURTESY ENTRANCE INSPECTION

1421 CAF

PARTS: 0.00 LABOR: 0.00 OTHER: 0.00 TOTAL LINE A:

72514 1421: NO PROBLEMS FOUND.

B CHECK ENGINE LIGHT COMES ON, MISFIRE CODES

EA EXPRESS ASSESSMENT

1421 CAF

127 CAF

6 4309391 KIT, SPARK PLUG

1 3683144 CLAMP, V BAND

PARTS: LABOR: OTHER: 0.00 TOTAL LINE B:

7 1421: HOOKED UP INSITE AND HAD MULTIPLE COUNTS OF 2538-CYLINDER 6 MISFIRE. CHECKED ALL APPLICABLE HISTORY AND FOUND THAT THE TRUCK HAS BEEN IN A COUPLE OF TIMES BEFORE FOR MISFIRE ISSUES. PRINTED ALL RELATED HISTORY. STARTED EDS SESSION DSBLD5607. REMOVED THE COIL CONNECTOR AND CHECKED THE PINS FOR DAMAGE, NONE FOUND. NEXT STEP IS TO REMOVE AND TEST THE COIL AND PLUG. END EA.#127: CONTINUED WITH DIAGNOSTICS, CONNECT TO QUICK SERVE AND CONTINUED EDS SESSION. REMOVED THE AIR PLUMBING TO THE AIR CLEANER, REMOVED THE AIR CLEANER ASSEMBLY AND REMOVED #6 COIL AND INSPECT, NO DAMAGE OR CORROSION FOUND, INSPECT THE COIL EXTENSION AND FOUND NO DAMAGE. CHECKED THE OHMS ON THE COIL...CENTER CONTACT TO PIN "C" 4.5K...OK, CHECKED THE OHMS ON THE COIL EXTENSION, 54K...FAILED COIL EXTENSION. REMOVED THE SPARK PLUG AND FOUND HEAVY BEADING. GOT WITH THE FOREMAN TO CONTACT THE CUSTOMER FOR OK TO REPLACE ALL SPARK PLUGS... GOT OK. REMOVED ALL THE COILS AND REPLACED ALL 6 SPARK PLUGS AND #6 COIL EXTENSION. (RAN OVERHEAD ON LINE C) CLEARED FAULT CODES AND CHECK UNIT OVER...OK. UPDATE EDS AND CLOSED SESSION. TURNED WARRANTY PARTS IN.

C** PERFORM OVERHEAD
00 MAINTENANCE

DESCRIPTION	TOTALS
LABOR AMOUNT	
PARTS AMOUNT	
FUEL/OIL/GREASE	
SUBLET AMOUNT	
SHOP/MISC FEES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	
PLEASE PAY THIS AMOUNT	

UNIT# 7029

INVOICE

SERVICE ADVISO...

SERVICE ADVISOR

COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG	
WHITE	15	FREIGHTLINER CA113SL	1FUJGHD99FLGS1912	190049	72514/72514	T7029	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	INV. DATE
26DEC14 DL		26DEC2015	17:00 29JUL16	FPTO-6912	115.00	CHG	21JUL16
R.O. OPENED		READY		OPTIONS: SOLD-STK:GS1912 ENG:75035305			
18:55 15JUL16		16:00 21JUL16		TRN:P0822677			
LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL

127 CAFT

PARTS: 0.00 LABOR: OTHER: 0.00 TOTAL LINE C:

7 #127: DISASSEMBLED ENGINE DOWN TO ADJUST VALVES. CHECKED THE
ADJUSTMENT BEFORE RESETTING... FOUND ALL VALVE ADJUSTMENTS WERE IN THE
SPEC PARAMETERS. SET THE INTAKE VALVES TO .018" AND THE EXHAUST VALVES
TO .036". REASSEMBLED AND CHECKED OPERATION, OK

DESCRIPTION	TOTALS
LABOR AMOUNT	
PARTS AMOUNT	
FUEL/OIL/GREASE	
SUBLET AMOUNT	
SHOP/MISC FEES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	
PLEASE PAY THIS AMOUNT	1349.74

INVOICE

PAGE 1

BUS:		CELL:		SERVICE ADVISOR:			
COLOR	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG	
	15	FREIGHTLINER FREIGHT	1FUJGHD99FLGS1912		288906/288908	T1912	
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	RATE	PAYMENT	
01JAN15 DT			17:00 16OCT19		0.00	CHG	
R.O. OPENED	READY	OPTIONS:					

17:34 16OCT19 14:00 17OCT19

LINE OPCODE TECH TYPE HOURS

A ERPLACE SAM CHASSIS MODULE

M MISC

LIST NET TOTAL

485 CP

PARTS: 0.00 LABOR: OTHER: 0.00 TOTAL LINE A:

....10/17/19 #485, CONTACT CUSTOMER FOR DESCRIPTION OF FAILURE.
....CUSTOMER STATES THAT TRAILER LIGHTS ARE INTERMITTENT INOP. CONNECT DL8.
....EXTRACT PARAMETERS FROM SAM CHASSIS. DISCONNECT BATTERIES. REMOVE LH
....DOOR SILL PLATE AND LH KICK PANEL. DISCONNECT AND REMOVE SAM CHASSIS.
....INSTALL NEW SAM CHASSIS AND CONNECT. CONNECT BATTERIES AND FLASH SAM
....CHASSIS. FLASH SAM CAB TO COMPATIBLE SOFTWARE FOR NEW SAM CHASSIS
....SOFTWARE. CONNECT TRAILER LIGHT TESTER AND CHECK LIGHTS. ALL LIGHTS ON
....TRUCK AND TRAILER CHORD WORK AT THIS TIME.

B ENTRANCE INSPECTION

FREE ENTRANCE INSPECTION

485 CP

PARTS: 0.00 LABOR: 0.00 OTHER: 0.00 TOTAL LINE B: 0.00

....10/17/19 #485, PERFORM CEI AND NOTATE DEFECTS

DESCRIPTION	TOTALS
LABOR AMOUNT	
PARTS AMOUNT	
GAS, OIL, LUBE	
SUBLET AMOUNT	
MISC. CHARGES	
TOTAL CHARGES	
LESS INSURANCE	
SALES TAX	
PLEASE PAY THIS AMOUNT	264.00