DG Diagnostics (MD/HD)

Diagnostic triage software with light duty through heavy duty functionality to support service bay repairs across multiple vehicle platforms including off-highway, agricultural and industrial-stationary equipment.

Differentiation

- A software suite compatible with all DG's RP1210 products
- No annual update fees

Commercial Vehicle Key Features

- Display & clear Diagnostics Trouble Codes (DTCs) including Freeze Frame Data
- Monitor dynamic vehicle parameters
- Display vehicle component information
- Produce a user friendly HTML vehicle health & status report
- Record & playback diagnostic sessions
- Display "total -vehicle" and "trip data"
- Launch OEM software programs

Commercial Vehicle Benefits

- Reduces thes need for OEM software applications
- Provides diagnostics for medium & heavy duty vehicles
- Including construction and farm equipment
- Compatible with vehicles and equipment using:
- (J1708/J1587 & CAN/J1939)

Read/Clear Codes



Display Dynamic Data

Parameter (21818 PON22587 PES			11567				J1567/Freeksh
Sinaire Speed 31449180	12	-	129	1978	12	_	122 (107)
Vehicle Speed (\$5265.64)				im	2		moh
Envire Temp (0520011E)	0.00		0	degrees C	22.800		22 degrees
Engine Dil Pressure (85363/1989)	228		207		- 41		49.09
Transmission Temp-005372(177)	9		97	degrees C	200		200 degrees
Transmission Oil Pressure (85272/127)	22		200				48 PS
Fuel Level 1 (95276/96)		£		Pecert	3		Pecert
Fuel Level 2(85778/08)	3			Fercert	3		Percent
Ar Pressure (0519843)	48			kpe	05		600
Instart Fuel Economy (25365/194)	4.00		3.800		9.400		8/938 mpg
Oear Selected (\$1445/182)	0	1		Cear .	00		D0.0ear
Cear Attained (#1445/183)	00			Cew	0		D0.Gear
Swished VARage (00271/158)	14.000		14 000		14.800		14 000 Yells
Alleviator Voltage (85071/182)	14.00		54.000		14.800		54 000 Velts
Ballery Voltage (00271/108)	14.000		14 000		14.800		14 000 Yells
Accelerator Pedal Position (8164381)	17.000			Feicent	17.800		Percent
% Land (11443/92)	27.000			Feicerc	37.000		Percert
Fuel Temperature (052021174)	\$7.00		56:944	degrees_C	134 800		134 580 degrees,
Enging Air Intel Temperature (05209/172)	77.00		70/344	dogrees_C	170.600		170 580 degrees,
Ambient Air Temperature (15268171)	97.00			degrees_C	205.600		298,580 degrees,
Driveline Engaged (\$1442/580)				Cotto			NA Costa
Tarque Convertor Lockup Engaget (61442573)				Statut .			NA Statut
Transmission Input Chaft Speed (\$1443164)				pa .			(pre
Transmission Output Shaft Spreid (\$1443181)				97			(Tea
% Chash Star (\$1442(\$22)				Percent			NA Percent
OPS Lattonp (16357684585 230)	CORUS - IN				COR.F .75		£018 Degrees

Connect with OEM Apps

Medium/Heavy Duty Coverage

	Application Name	Drogate		Heaverts			
	Februational ServiceM	P2 CIVINDO	WSschmitherare are V Decements and				
ICORP	Nermatorial ServiceM		WEavierDay wave me *C Decements and				
MUCH4	NELOMAGE VC/DE		v Filestfech Tostflech				
MACKK	NERVONANE VCHOR		n Falestfech Toattlech				
NEVEN	HERAMACK VEHICLE		n Faeutlech Topklech				
onosc	Extrat Detail Diagram		1 Film/Disposecck//Dramol.sce				
CONFL	CAT Electronic Techni		n Files/Caterpillar Electronic Technician/etech ave				
ALLSN	Allison DOC		n File/Milson Transmission/Alison DOC for PC - Service				
BENEX	Eends/ACCM	C'Bended	Acon-DagnosticsECUAgheouep.eve	-mbit			
HOR	John Deete ServiceAc		n Filestuoni DeenfuDitan eve				
MCR/HQ	Meta-WARCO Tost		an FileDVADCOURDITMacMMMain.cva				
CATON	Eaton ServiceRanger		n Files/Caturdon/ceRanger D&en/ceRanger20.txic				
DANAK	Dana Diagnostice		* Film/OsnelCane Diagnostic TechOsna Diagnostic Teoleve				
THORY	ServiceLink Office	C/Prigra	n Files (vSE)/rsamet Explore/lexplore.eva	http://ccahosi/ServceLri			
	anu/facturer Code		vivis Fighe Corpany				
Applicat	on Name	Cumming MS/TE	Currning RSITE				
0.000	se Nane	C.VDHICSHOFEVO	24.6-2	Browsa			
Deca	sie-foguments (f. forg)						
		Update Cire	y Deleta Dray Add Dray				

DG TECHNOLOGIES

MD/HD

One Application: Two Programs



DG TECHNOLOGIES Vehicle Network Solutions

DG Diagnostics

Either Application Can Be Used For The 2013 (Or Newer) Volvo Chassis With Volvo Engine

Total Vehicle Data

	Engre #1 Transmission #1 Braises - System Centrol	-	WW WWCSCWBH287124		Make CTFFL ALLSV MCRVD	C-16 4500 4500	50% 1355 1354 2005		208	SEFLA SEFLA	
20	Vehicle Netgation Off Board Diagnostic-Se				MDIMU	43/4		77000		0012	
										١.,	
1587	Componentinformation										
ISB7	MD Description	VIN		Make	Model		Sens #		U-R#		
1587 MD	MD Description Engine #1		084257124	CTRPL	C-15		19901008		557L-X0000		
1587 MD 28	MD Cescription Engine #1 Transmission		084257124	CTRPL ALLSN	C-15 4500		19540205	_	557L-XXXX 557L-XXXX		
1587 MD	MD Description Engine #1		084657124	CTRPL	C-15		19901008	_	557L-X0000	-	
1587 MD 28 30	MD Description Engine #1 Transmission Brakes, Power Unit		08H25712H	CTRPL ALLSN	C-15 4500		19540205	_	557L-XXXX 557L-XXXX		

Vehicle Data Report

A.,		Day to blad		1744.4	instituted				• • × 4		_	-
Sde 1		e Fpraden Jack										
	in 3	- Diete. g	Rate 0.	100	ght. 付 inng	ir Ø Deale	. Ø10T.	× 81	- D - I #	- by - 54	ej = 7300 -	÷.
DG	Tech	nologies - C	IG Dia	98-95	tics True	k Report	- Non	Jan 24 14	136142 20	111		
		- 100 #2854										
Piepe	et 115	- Unit #2854										
-												
315	87 C	omponent 1	nform	ation	•							
-		fauntime	1.48			This .	make	facial #	102.0	Sufferen B		
108 Engine #1 Sharehoused			MICH IN	(1975)	0.15	-	585,000	(15*3.85*	*			
128	1.0		20			A1.01	+100	x**espet	885,000	w7000114	101731.2372	1.047
1.74	6	Inex, Parent Unit	140			PERMO	45.48	20056261	684-2222	elert.c	102.867	
642	Vet	inte Nerryation Unit	145			1/4	5/8	5/0	9/8	5/8		
-	_											
315	87 F.	ault Codes										
#1	-	MO Desiriation	Cale	-	Cade/PE Ca					Court	172,017	880
	128	Engine #5	-	18			(Hughson's	d for salignment	R1 TH SAL	15	\$72	540
	120	Transmission	219	3	(92-624) Res	erved Gross 25	- TBA/Ushapt	doors named as	shared high	20	1412	10
	176	Braises, Power Unit	1		apendianal r	unge		albata valid bat I		240	172	10
		Share #5	32	10	Tatlesharps	ri Wadeper	OrivaReserve	d for assignment	its the SAE	10	185.	100

248.888.2000

www.dgtech.com

store.dgtech.com

sales@dgtech.com

DG Diagnostics (OBDII)

A diagnostic triage software with light duty through heavy duty functionality to support service bay repairs across multiple vehicle platforms including off-highway, agricultural and industrial-stationary equipment.

Differentiation

- A software suite compatible with all DG's J2534 products
- No annual update fees

DG TECHNOLOGIES Vehicle Network Solutions

One Application: Two Programs







Light/Medium Coverage

DG Diagnostics Either Application Can Be Used For The 2013 (Or Newer) Volvo Chassis With Volvo Engine

Automotive OBDII Key Features

- Supports all OBDII J1979 modes & parameters
- Display Diagnostic Trouble Codes (DTCs) and DTC Freeze Frame Data
 - Active, pending and permanent
- Allows clearing of DTCs and emissions-related monitor information
- Monitor all ECM-supported OBDII parameters
- Display vehicle information (VIN, CALID's etc.)
- Display OBD monitors supported and their status
- Display test results of OBD monitors
- Produce a user friendly HTML vehicle health & status report

Automotive OBDII Benefits

- Reduces the need for expensive scan tools
- Provides diagnostics for automotive vehicles
- Compatible with vehicles & equipment using any OBDII protocol

ECM Info



Monitor Status

Emissions-Related DTCs

ECH	0%	[OTC Description The Environme Related DTCs (Arthur)	
NA.	~	AN CHARGE FROM IN LOS (MINE)	
ш			
		ed DTCs Detected During Current or Last Completed Drive Cycle (Pendleg)	
t City	010	010 Description	
NA	NA	No Emissions-Helated DTCs Detected During Current or Last Completed Drive Cycle (Pending)	
ш			
		ed DTCs With Permanent Status (Permanent/Confirmed)	
ECM	010	[010 Description	
NA	NCA	Emissions Related DTCs With Permanent Status (Permanent/Continned) Nat Supported Using This Protocol	

OBD Monitor Test Results



Vehicle Parameters

	Nontors Monitor R				
Whicle Supported Parameters				ECM To Monitor Deloconco	
91015 - 11000					
g PID 001 - BORISCO BEASES BLACE DECE CLEADES					
a \$20 605 - Fool System "h" Status					
935 654 - Calculated Lond Talue	- 21.0400		31.0410		
920 605 - Engine Conlant Temperature	= 58,0000	5ept	154.4300	Cegt	
\$20 404 - Shorn Team Fuel Trim Sank 1/3	- 0.0000		0.0000		
#10 407 - Long Term Fuel Trim Bank 1/3	 0.7015 		2.7813		
FID 808 - Short Team Fiel True Bern 2/4	- 1.9423		1.0425		
\$20 409 - Long Term Fuel Trin Bank 2/4	 0.7818 		0.7615	•	
FID 918 - INCARE RANLFOOD ADDOUGUES FIRADUPE	- 39.0000	374	9.0743	992	
P10 800 - Regine APK	- 622.5000	120	622.5000	12m	
FID 600 - Vakials Speed	· 0.0000	345,725	2.0000	mph.	
\$10 408 - Igninion Timing Advance \$1 Cylinder		degrees		degrees	
FID SDF - Datake ALS Desperature	* 24.0000	DeeC	\$7.2000	Degl	
\$20 410 - BAR Ase Flow Date	- 8.7700	0/8	8.7780	g/e	
910 011 - Absolute Encottle Sosition	= 12.9412		12.9412		
# P10 413 - Loosnion Of Cappen Sansors					
# F1D \$14 - Oxygen Densor Bank 1 Densor1					
Bank 1 Jennie 1 02 Jennie Volcage	- 0.7180	Volume			
Bank 1 Sensor 1 Short Team Fuel Team	- 0.0000				
g 915 614 - Cuppen Sanaur Back 1 Sanaur 2					
Bank 1 Sensor 2 02 Sensor Voltage	. 8,7000	YOUTH			
Bank 1 Sensor 2 Short Term Fuel Trim.	· 10.2148				
a 910 414 - Oxpon Sensor Bank 2 Sensor 1					
Bank 2 Sensor 1 02 Densor Tolkage	 0.7250 	Thisse			
Bank 2 Sensor 1 Stort Term Fuel Trin	- 1.9425				
g PID 810 - Cappen Deneur Bank 3 Deneur 3					

DG Technologies | 33604 West Eight Mile Road Farmington Hills, MI 48335 | 248.888.2000 | ww

00 - www.dgtech.com

store.dgtech.com

sales@dgtech.com