





VOLVO

9700



VOLVO

9700





























RICON

THE LICENSEE'S RESPONSIBILITY
The licensee is responsible for the safe installation and use of the battery pack. The licensee must read and understand the instructions and warnings on the battery pack and the enclosure. The licensee must ensure that the battery pack is installed in a well-ventilated area and that the enclosure is properly grounded. The licensee must also ensure that the battery pack is not exposed to fire, excessive heat, or physical damage.

INSTALLATION INSTRUCTIONS
1. Read the instructions and warnings on the battery pack and the enclosure.
2. Ensure that the battery pack is installed in a well-ventilated area and that the enclosure is properly grounded.
3. Follow the wiring diagram to connect the battery pack to the enclosure.
4. Tighten the terminals on the battery pack and the enclosure.
5. Test the system to ensure that it is working properly.

WARRANTY
The battery pack is warranted against defects in materials and workmanship for a period of 24 months or 3000 cycles, whichever comes first. The warranty is void if the battery pack is damaged by fire, excessive heat, physical damage, or misuse.

BATTERY DISCONNECT SWITCH
This red switch is used to disconnect the battery pack from the enclosure. It should be turned off when the enclosure is being serviced or when the battery pack is not in use.











Print Date: October 23, 2025 11:07 AM

VIN	JCE12V224G0178414
Vehicle Make	Volvo
Model	
Model Year	2016

Vehicle Components

Component	Description	Serial Number	Software Version	News
Engine	Volvo D13	18025141	23185562	J1039 (High/1583 Low/15780 CAN)
Transmission	Aisin 3000A00 5sh Drive	049865A20339029	W19603_PC_LM01 01800218MAGD	J1039 (High/15780 CAN)
Instrument Cluster	Volvo Instrument Display	10390001	22540172 22560074 22560075	J1039 (High/1583 Low)
Vehicle ECU	Volvo Vehicle ECU	18099181	22725276 22725270 22925328	J1039 (High/1583 Low)
Body Controller	Volvo Body Controller Module	16229131	10460582 10460608 10460604	J1039 (High/1583 Low)
Suspension	Volvo ECU	10028066	22738222 22771600 22738221	J1039 (High/1583 Low)
Lighting Control, Automatic/1 Led	Volvo Lighting Control Module	00000032	22641883 22690080 22641877	J1039 (High/1583 Low)
ABS/ESP/ASR Control Module	Volvo ABS/ESP Control Module	10233830	22825816	J1039 (High/1583 CAN)

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Vehicle Key Data Points

Parameter Description	Value	Parameter Description	Value
Life Fuel Used	3,750.70 gal	DPF Soot Level	Low
Total Mile Hrs	2,645.60 hrs	DPF Delete	Low
Total Engine Hrs	5,355.70 hrs	Battery Potential	27.90 volts
Cruise Spd Limit	87.00 mph	Road Speed Limit	71.00 mph
Total Avg Fuel Econ	6.70 mpg	Malfunction Indicator Lamp	Off
Red Stop Lamp	On	Airlock Warning Lamp	On
Retard Lamp	Off	Parking Brake Switch	On
DPF Lamp Command	Off	Exhaust System High Temp	Off
ABS Control Status	On	ABS Control Status, Tractor	Not Available
Engine Speed	900 rpm	Odometer	159,143.60 mi
Engine Odometer	159,121.08 mi	Instrument Cluster Odometer	159,121.07 mi
Fuel	38%	Engine Oil	Normal
Diesel Exhaust Fluid	40%		

Vehicle Issues

 1 Active Fault(s) Present

Faults

Status	Component	Description	Linkup Code	PM	Count
Active	Lighting Control Administrator (LCA)	Parking Light Left Side - Control always extends to ground circuit	P5D1C5	6	1
Inactive	Aftermarket Control Module	Reduction Control Module Supply Voltage	P21CA00	N/A	2
Inactive	Aftermarket Control Module	Vehicle Green/Inactive Engine Control - Disabled	U000085	N/A	1
Inactive	Aftermarket Control Module	Load Compensation with EMS	U010000	N/A	2
Inactive	Aftermarket Control Module	Load Compensation with Reducer Quality Monitor	U02A200	N/A	2
Inactive	Aftermarket Control Module	Load Compensation With ECM on Engine Stator	U114850	N/A	2
Inactive	Body Controller	SAC - Key Switch Battery Potential - Best Intelligent device or component	P5D188	16	4
Inactive	Body Controller	Undocumented Fault - Contact Manufacturer for PSD 162 device	P5D1102	3	4
Inactive	Body Controller	Undocumented Fault - Contact Manufacturer for PSD 166 device	P5D1106	3	4

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Status	Component	Description	Lookup Code	PMI	Count
Inactive	Drivetrain	Undocumented Fault - Contact Manufacturer for PSD: 200 details	PSD 200	3	0
Inactive	Drivetrain	Undocumented Fault - Contact Manufacturer for PSD: 205 details	PSD 205	20	1
Inactive	Drivetrain	Undocumented Fault - Contact Manufacturer for PSD 30 details	PSD 30	1	2
Inactive	Drivetrain	Undocumented Fault - Contact Manufacturer for PSD 41 details	PSD 41	14	3
Inactive	Drivetrain	SAC - Lining Wear Sensor, Axle 1 Right - Data valid but below normal operational range - Most severe level	SAC 71	1	1
Inactive	Engine	Park Brake Sensor/Circuit Low	P02E403	NA	1
Inactive	Engine	Waste Compression Ratio (WCR) Control Oil Temperature Too Low	P11489	NA	N/A
Inactive	Engine	Load Compensation High ECM Accounting To Turbocharger/ExhaustGases Control Module "A"	P11485	NA	1
Inactive	Engine	Start/ Motor Overvoltage / Governor Not in Neutral	P11779	NA	N/A
Inactive	Engine	Exhaust Coolant Level Low	P25855	NA	14
Inactive	Engine	Load Compensation With Turbocharger/ExhaustGases Control Module A	U010076	NA	1
Inactive	Instrument Cluster	Battery Voltage - Abnormally low voltages or short circuit to lower voltage	PEI 158	4	0
Inactive	Instrument Cluster	Brake Band pressure - Abnormal/cycle rate	PPD 51	3	3
Inactive	Instrument Cluster	Undocumented Fault - Contact Manufacturer for PSD 12 details	PSD 12	4	103
Inactive	Instrument Cluster	Undocumented Fault - Contact Manufacturer for PSD 157 details	PSD 157	9	1
Inactive	Instrument Cluster	Data Link, MID 126 - Abnormal update rate	PSD 209	9	3
Inactive	Lighting Control Administrator Unit	Data Link, MID 126 - Abnormal update rate	PSD 210	9	0
Inactive	Lighting Control Administrator Unit	Data Link, MID 130 - Abnormal update rate	PSD 205	9	2
Inactive	Lighting Control Administrator Unit	Undocumented Fault - Contact Manufacturer for PSD 22 details	PSD 22	3	1
Inactive	Instrumentation	Data Link, MID 126 - Abnormal update rate	PSD 200	9	48
Inactive	Vehicle ECU	Heavy Duty Frequency - Data valid but below normal working range	PEI 48	1	1
Inactive	Vehicle ECU	Regeneration Interval - Data valid but below normal operational range - Most severe level	PPD 430	0	21
Inactive	Vehicle ECU	U1000 Data Link, MID 126 - Abnormal update rate	PSD 210	9	45

VOLVO

9700 US/CAN

MANUFACTURED BY/FABRIQUE PAR

VOLVO/VOIP/POST SA DE CV

DATE OF MFG :

DATE DE FAB :

G.V.W.R. :

P.N.B.V. : 22400 KG (49400 LBS)

AXLES/ ESSIEUX	G.A.W.R./ P.N.B.E.		TIRES/ PNEUS	RIMS/ JANTES	COLD INFLATION PRESS./ PRESS. A FROID		SINGLE OR DUAL/ SIMPLE OU DOUBLE
	KG	(LBS)			KPA	(PSI)	
FRONT: AVANT:	7484	16500	315 80R22.5 (J)	22.5/9.00	830	120	S
INT: DIFF:	10024	22100	315 80R22.5 (J)	22.5/9.00	620	90	D
REAR: TANDEM:	4899	10800	315 80R22.5 (J)	22.5/9.00	586	85	S

THIS VEHICLE CONFORMS TO ALL APPLICABLE U.S. FEDERAL MOTOR VEHICLE SAFETY STANDARDS AND CANADIAN MOTOR VEHICLE SAFETY REGULATIONS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE/. CE VEHICULE EST CONFORME A TOUTES LES NORMES QUI LUI SONT APPLICABLES EN VERTU DES REGLEMENTS SUR LA SECURITE DES VEHICULES AUTOMOBILES DU CANADA EN VIGUEUR A LA DATE DE SA FABRICATION INDIQUEE CI-HAUT.

VEHICLE IDENTIFICATION NO.
NO. IDENTIFICATION VEHICULE

3CET2V2240ST78A14

TYPE: BUS B/A











VOLVO

8700







Vehicle Messages

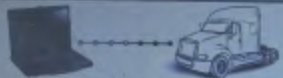
5 (5)

Check
Light Control System
at next stop

 (3) 

159113,6 MI

- Exit
- Disconnect
- Record
- Inspections & Reports
- Fault Guidance
- NextStep™ Repair
- Data Monitor
- Workstream Diagnostics
- Refresh
- Submit Warranty
- Application Portal
- Education Portal
- Application Settings
- Help



Acquiring vehicle information...

- 2016 Volvo Vehicle
- Volvo D13
 - Allison 3000/4000 5th Gen
 - Brakes
 - Volvo Information Display
 - Vehicle Logic Control Unit / Vehicle Management
 - Volvo Bodybuilder Module
 - Volvo ECS
 - Volvo Lighting Control Module
 - Volvo Vehicle ECU

Status	Component	Description	Lookup Code	FMI	Count
!	Lighting Control Administrator Unit	Parking Light left rear - Current above normal or grounded circuit	P2015	0	1
!	Body Controller	SAC - Key Switch Battery Potential - Not intelligent device or component	P0128	14	7
!	Brakes	SAC - Wheel Wear Sensor, Axle 1 Right - Data valid but below normal (normal val range - Must sense 0 level)	S0171	1	1
!	Engine	Park Brake Sensor(Switch) Circuit Low	P0240	160	4
!	Engine	Volvo Compression Brake (VCB) Control Oil Temperature Too Low	P11400	150	N/A



Cruise Spd Limit

81 mph

Battery Potential

280 volts

DEF Seed Level

Low

Road Speed Limit

71 mph

Total Avg Fuel Econ

67 mpg

Engine Speed

DEF Iterate

Low

Total Engine Hrs

55553 hrs

Total Life Hrs

26451 hrs

Odometer

1591136 mi

Life Fuel Used

37502 gal

Vehicle Information:

VIN: 3C87TZ2MGS178414, B13R175414

Manufacturer: Volvo

Model Year: 2016













XZA2 ENERGY

RE-GRABBLE
REGRABBLE



MINI-TEK







VOEVO**IMPORTANT ENGINE INFORMATION**

VOLVO POWERTRAIN CORPORATION

ENGINE FAMILY G4TDC12001

ENGINE MODEL D13J435

SERIAL NO. 1144358

DISPLACEMENT

ADVERTISED HP @ RPM

FUEL RATE @ ADVERTISED HP

IDLE SPEED

ENGINE BRAKE

L/HR

GPH/HR

25 ^{mm}3 / STROKE

550-700RPM

I-VEE

THIS ENGINE COMPLIES WITH EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 2016 MODEL YEAR NEW
HEAVY DUTY DIESEL ENGINES. THIS IS A PROPOSED BUILT-TO-ORDER SERVICE APPLICATION AS A HEAVY HEAVY-DUTY DIESEL ENGINE.

ELECTRONIC CONTROL SYSTEM

THIS ENGINE IS CERTIFIED TO OPERATE ON
ULTRA-LOW SULFUR DIESEL FUEL ONLY

VALVE LASH

INLET ROCKER 0.2mm

EXHAUST ROCKER 1.0mm

DELEGATED ASSEMBLY

LABEL NO
22636471





