Engine ECU Volvo

Volvo D13 2010

A81 VECU_VOLVO_D13F

15.1_Transmission:3 A	0/12−16−18	JB 6	Sensor_Output_Shaft_Speed	
15.2_Transmission_IShift:1 B	12−16B−18	JB 25	Out_Supply	
	5−916−18	JB 10	Throttle_5v_Supply	
			Out_Supply4	JB 5
	analog−417−18	JB 8	Throttle_position	
	analog−952−18	JB 22	Throttle_Ground	
		JB 24	Eng_RetBrk	
	12−500−18	JB 19	Output_Supply_12v	
	12−524C−18	JA 23	Idle_Validation_1	
41.1_Steering_Mulifunction_ACB:3 E	24−541−18	JA 1	CC_Set_Decelerate	
41.1_Steering_Mulifunction_ACB:3 E	24−545−18	JA 2	CC_Resume_Accelerate	
C72:2	12−544−18	JA 3	CC_Enable	
C72:27	12−510−18	JA 29	Fast_Idle	
12.1_BrakePedal_EngBrake_Retarder:3 B	C21:68 C2A:20 0−163B−18	JA 28	Retarder_En	
3.1_Main_Disti_Ign_Batt:1 D	gnd−953−18	JA 12	Main_Battery_Ground	
5.1_Pwr_Dist_RJB:2 E	C21:23 C2A:10 12−240B−18	JA 13	Battery_+12v_Controled	
16.1_ESP:1 B	12−439−18	JA 14	Ignition	
41.1_Steering_Mulifunction_ACB:2 C	24−583−18	JA 20	Engine_Brake_High	
41.1_Steering_Mulifunction_ACB:2 C	24−979−18	JA 21	Engine_Brake_Low	
12.1_BrakePedal_EngBrake_Retarder:2 C	gnd−91−18	JB 11	Park_Brake_Signal	
			IVS_Out	
			Supply_Control_Relay	
6.2_Network:2 D	J1587−901−18	JC 1	J1587_B_901	
6.2_Network:2 D	J1587−900−18	JC 2	J1587_A_900	
6.2_Network:3 B	J1939−DL1H−18	JC 4	J1939_CAN1_H	
6.2_Network:3 B	J1939−DL1L−18	JC 5	J1939_CAN1_L	
41.1_Steering_Mulifunction_ACB:3 E	24−80−18	JA 5	Brake_Redundant	
3.2_EngineStart_ChrgSyst:0 O	24−231A−18	JA 6	Crank_Signal	
C11:28	C8:4	24−167−18	JA 17	ACC_Time_Gap_Inc
C11:29	C8:5	24−168−18	JB 7	ACC_Time_Gap_Dec
				Air_Dryer_Regen_Sol
				Air_Dryer_Governor_Sol
37.1_VolvoLink_AirDryer:2 D		5−535−18	JB 26	Wet_Tank_Press_5v
37.1_VolvoLink_AirDryer:2 D		Data−536−18	JB 9	Wet_Tank_Press_Out
37.1_VolvoLink_AirDryer:2 D		gnd−537−18	JB 23	Wet_Tank_Press_Gnd
			JB 16	
			JB 4	

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IOA 24V — J1:15, J1:16

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I/OB 24VI — J1:9, J1:10, J1:1, J1:2, J1:6

EIA

REF. TO VOLVO ENGINE DIAGRAM OBD13

EI

14.2_Urea_OBD13:2 E	J1939−DL7H−18	34	SubNetH
14.2_Urea_OBD13:2 E	J1939−DL7L−18	36	SubNetL
6.2_Network:0 C	C397:48 J2284−DL2H−18	2	Can2H
6.2_Network:0 C	C397:47 J2284−DL2L−18	5	Can2L
6.2_Network:1 B	C397:21 J1939−DL1L−18	4	J1939L
6.2_Network:1 B	C397:20 J1939−DL1H−18	1	J1939H
C2:32	C21:30 C397:46 Data−502−18	8	IVS
C91:5	C397:49 gnd−115−18	28	Colant_Level_Sensor
C91:28	C397:25 gnd−0H−18	18	Sw_Ground
		23	AC_Clutch
5.1_Pwr_Dist_RJB:1 C	12−241C−14 C397:26 12−241C−14	37	WIF_Heater
3.1_Main_Disti_Ign_Batt:3 E	gnd−151A−14 C397:33 gnd−151A−14	39	Ground2
3.1_Main_Disti_Ign_Batt:3 E	gnd−151B−14 C397:38 gnd−151B−14	31	Ground1
3.1_Main_Disti_Ign_Batt:3 E	gnd−151C−14 C397:42 gnd−151C−14	27	Gnd_SRA_Cmpt
5.1_Pwr_Dist_RJB:2 E	12−241A−14 C397:44 12−241A−14	25	Battery3_PreHeater_VGT
5.1_Pwr_Dist_RJB:2 E	12−240A−14 C397:37 12−240A−14	13	Pwr_EMSA
5.1_Pwr_Dist_RJB:2 E	12−240A−14 C397:41 12−240A−14	15	Pwr_EmsB
5.1_Pwr_Dist_RJB:2 E	12−241A−14 C397:66 12−241A−14	21	Eng_Comp.
			DPF_Press_Sig
			DPF_Sens_5v
			DPF_Sens_Gnd
			DPF_Temp
		J1939PH	
		J1939PL	

EI

		7	Preheater_Relay
		24	
		22	
		26	
		29	
		3	C397:30 J1939−DL9H−18 C99:1
		6	C397:31 J1939−DL9L−18 C99:2

Preheater_Volvo

R29 563348

Se14 Throttle Position Sensor

opt Idle Validation Switch

Se13 Coolant_Level_Sensor

Sw17 Stop engine override

Sw35 Cruise ON/OFF switch

Sw14 Fast Idle

D36 561740

D37 561740

Mo2 Radiator fan clutch

Engine_Heater_Outlet

120V Outlet — L, G, N

L400 BLOCK HEATER

ENGINE PRE HEATER

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