Engine ECU Volvo

Rev:0

Page:14.1

No:D061640

WIRING DIAGRAM

PREVOST

Sw17
Stop engine override

0-Sw17.6-18 — C74:25 — 38.1_Fire_Supp:0 C

19.1_Driver_Lights:3 D — 12-Pot1-18
2.1_Gnd_Electro:1 B — gnd-00A-18

Sw35
Cruise ON/OFF Switch

0-Sw35.8-18
12-A81JB.19-18 — C171:37
12-Sw35.3-18

19.1_Driver_Lights:3 C — 12-Pot1-18
2.1_Gnd_Electro:1 C — gnd-00A-18

Sw14
Fast Idle

4.1_Dist_12V_FJB:3 E — 12-A45J1.7-18

0-Sw14.8-18
gnd-00A-18
12-A81JB.19-18
12-Sw14.3-18

19.1_Driver_Lights:3 C — 12-Pot1-18

4.1_Dist_12V_FJB:3 D — 12-A45J1.7-18

Se14
Throttle Position Sensor
Idle Validation Switch

C2:4
C2:8
C2:3
C2:21
C2:20

15.1_Trans_Allison:4 A
15.2_Trans_IShift:1 C

C72:11

AE43
I/O_EB 12WUP — J2:7, J2:10

C171:8 — C72:2 — 12-Sw35.3-18
C72:27 — 12-Sw14.3-18
12.1_Brake:5 B — C17:23 — C2A:20 — 0-A49J2.13-18

2.1_Gnd_Electro:1 D — gnd-00F-18
5.1_Dist_RJB:2 A — C17:24 — C2A:10 — 12-F100-18
4.1_Dist_12V_FJB:2 D — 12-R23.30-18

24-A41J1.16-18
24-A41J1.19-18
12.1_Brake:3 D — 0-Se18.B-18

AE41
I/O_EA 24WUP — J1:16, J1:19

6.2_Network:2 C — J1587-901-18
6.2_Network:2 D — J1587-900-18
6.2_Network:2 B — J1939-DL1H-18
6.2_Network:2 B — J1939-DL1L-18

12.1_Brake:4 E — 24-A36JA.25-18
3.2_Ign_Start:2 D — 24-Sw58.7-18

37.1_VLink_ADryer:2 D — 5-A81JB.26-18
37.1_VLink_ADryer:2 D — Data-L350A.B2-18
37.1_VLink_ADryer:2 D — gnd-A81JB.23-18

A81
VECU_VOLVO_D13F

0/12-A1.25-18	JB 6	Sensor_Output_Shaft_Speed
12-A81JB.25-18	JB 25	Out_Supply
5-A81JB.10-18	JB 10	Throttle_5v_Supply
		Out_Supply4
ANA-Se14A.B-18	JB 8	Throttle_position
gnd-A81JB.22-18	JB 22	Throttle_Ground
	JB 24	Eng_RetBrk
12-A81JB.19-18	JB 19	Output_Supply_12v
12-Se14B.C-18	JA 23	Idle_Validation_1
12-A43J2.7-18	JA 1	CC_Set_Decelerate
12-A43J2.10-18	JA 2	CC_Resume_Accelerate
12-Sw35.3-18	JA 3	CC_Enable
12-Sw14.3-18	JA 29	Fast_Idle
0-A49J2.13-18	JA 28	Retarder_En
gnd-00F-18	JA 12	Main_Battery_Ground
12-F100-18	JA 13	Battery_+12v_Controled
12-R23.30-18	JA 14	Ignition
24-A41J1.16-18	JA 20	Engine_Brake_High
24-A41J1.19-18	JA 21	Engine_Brake_Low
0-Se18.B-18	JB 11	Park_Brake_Signal
		IVS_Out
		Supply_Control_Relay
J1587-901-18	JC 1	J1587_B_901
J1587-900-18	JC 2	J1587_A_900
J1939-DL1H-18	JC 4	J1939_CAN1_H
J1939-DL1L-18	JC 5	J1939_CAN1_L
24-A36JA.25-18	JA 5	Brake_Redundant
24-Sw58.7-18	JA 6	Crank_Signal
	JA 17	ACC_Time_Gap_Inc
	JB 7	ACC_Time_Gap_Dec
		Air_Dryer_Regen_Sol
		Air_Dryer_Governor_Sol
5-A81JB.26-18	JB 26	Wet_Tank_Press_5v
Data-L350A.B2-18	JB 9	Wet_Tank_Press_Out
gnd-A81JB.23-18	JB 23	Wet_Tank_Press_Gnd

JB 5

JB 17 — 0-A81JB.15-18 — 3.2_Ign_Start:4 D
JB 15

JB 16 — 0-A81JB.16-18 — 37.1_VLink_ADryer:2 C
JB 4 — 0-A81JB.4-18 — 37.1_VLink_ADryer:2 D

C397:7 — C17:22 — C2A:15 — C72:4 — 0-EI.7-18 — 10.1_Cluster:4 C

R29
Preheater Volvo
\- 563348 +

C50:6 — 1 — 2 — C50:7 — 24-F126-18 — 5.1_Dist_RJB:2 C

3.1_Main_Disti:3 A — BussBar — F209 150 A — BussBar
24-R29-2 — C1 — ENGINE PRE HEATER B1
2.2_Gnd_Chassis:7 E — gnd-0ECU-2

0-EI.7-18

Se13
Coolant_Level_Sensor

C54:2 — 0-Se13.B-18
C54:1 — gnd-EI.18-18

5.1_Dist_RJB:2 B — C397:26 — 12-F73-14
C397:33 — gnd-00R5-14
2.1_Gnd_Electro:1 G — C397:38 — gnd-00R5-14
C397:42 — gnd-00R5-14

5.1_Dist_RJB:2 A — C397:44 — 12-F91-14
5.1_Dist_RJB:2 A — C397:37 — 12-F99-14
5.1_Dist_RJB:2 A — C397:41 — 12-F99-14
5.1_Dist_RJB:2 A — C397:66 — 12-F91-14

EI
Volvo D13 2010
REF. TO VOLVO ENGINE DIAGRAM OBD13

14.2_Urea:2 E — J1939-DL7H-18 — 34 SubNetH
14.2_Urea:2 E — J1939-DL7L-18 — 36 SubNetL
6.2_Network:1 C — C397:48 — J2284-DL2H-18 — 2 Can2H
6.2_Network:1 C — C397:47 — J2284-DL2L-18 — 5 Can2L
6.2_Network:0 B — C397:21 — J1939-DL1L-18 — 4 J1939L
6.2_Network:0 B — C397:20 — J1939-DL1H-18 — 1 J1939H

Data-A81JB.17-18 — C2:32 — C17:69 — C397:30 — 8 IVS

54 Colant_Level_Sensor
28 Sw_Ground
18 AC_Clutch
23 DPF_Press_Sig — 24
DPF_Sens_5v — 22
DPF_Sens_Gnd — 26
DPF_Temp — 29

37 WIF_Heater
39 Ground2
31 Ground1
27 Gnd_SRA_Cmpt

25 Battery3_PreHeater_VGT
13 Pwr_EMSA
15 Pwr_EmsB
21 Eng_Comp.

EI — Preheater_Relay — 7

J1939PH — 3
J1939PL — 6

15.2_Trans_IShift:3 B — J1939-DL9L-18
15.2_Trans_IShift:3 B — J1939-DL9H-18

Engine_Heater_Outlet
L
G
N

L400
BLOCK HEATER