

CIRCUITS LIST

CircuitID	Description	CircuitID	Description	CircuitID	Description
0	GndLevelLow	ORC3		12WUp5	PwrtoModuleA51
2B	CondSndSpdSig	ORC4	Gnd	12Wup5	12Wup
5A	UpperHeaterPwr	ORC5	Gnd	13	GndTransducer
5B	UpperHeaterPwr	ORC5A	Gnd	16	SpeedSignal
5C	UpperHeaterPwr	ORC5B	Gnd	18	Wip.WasherLevel
7	DriverSensorRtn	OSA1	GND_Alt120A	20	Air_Dryer_Pwr
9A	GndEngineDoorSe	OVA	Equalizer_Gnd	21	FlasherLHSig
9B	EngineCmpt.Lt	0Y	ABS_Gnd	21A	FrontFlasher
0A	Evap.Gnd	10	LuggageCmpt.LtsPwr	21AA	FlashersRearLH
00A	GndElectronic	10A	LuggageCmpt.LtsPwr	21B	CorneringLtsLH
00AB	Sw103A	12	RearSlideOutRetractingSignal	21BR	GndFoglights
00B	ElectronicGndofMuxModules	12A	12Direct	21C	UpperRearLights
0BB	SensorGnd	12CPC	R22_DDEC	22	HazardSwSig
0C	GndStarter062214	12Ecu	VecrInside	23	FlasherRHSig
0CE	GND48A47	12ecu	VecrInside	23A	FrontFlasherRH
0CG	67888	12K	KeyLessIgn	23AA	FrontFlasherRHSide
0EV1	CondensorPwr	12VB	Equalizer_Power	23B	CorneringLtsRH
0EV2	GndHvac	12VD	12VDT0CB2	23BR	GndFogandCorneringLtsRH
0F	FJBD00rOpenSig	12VD1	12VDFrontWake-up	23C	UpperRearLights
0FA1	GndofEntranceWdo	12VD2	12Direct	24A	Battery_24V
0FA4	Chassisgnd	12VD3	12vRearwake-up	24AW	
0FB1	GndMirrors	12VD4	12v_Engine_Ecu	24CO	PwrtoExcitationResistor
0FB2	GndDriverWdo	12VDCust	12VDCustomer	24D	24Direct
0FB3	GNDCustomer	12VDF	12VDtoFrontVec	24EE1	24Ignition
0FC1	Driverseat	12VI	12VItoCB10	24EE2	24Ignition
0FC4	ElectricalHorn	12vi	VecrInside	24VB	Equalizer_Power
0FD1	GNDMuxpower	12VI1	12VIofA44	24VB1	24VEnginePreheater
0FDS	Driver_Seat_Gnd	12VI2	MirrorPwr	24VB2	24VEnginePreheater
0FE	Gnd_AFSS	12VI3	PwrOutletDrawer	24VD	MasterRelayPwr
0G	GndofA54	12VI4	PwrOutletandCigarLighter	24vd	VecrInside
0H	GroundCoolantSensor	12VI5	12VItoVECR	24VD1	24VDtoFront
0L	KeylessModuleKeypadGnd	12VI6	PwrtoModuleA50	24VD2	24VDtoRearVec
0PR2	GndFrontClearanceLts	12VI7	TrailerABSPower	24VD3	24VDofCECM
0PR3	UpperDefrosterGnd	12VI9	TPMSPow	24VD4	24VDFrontWake-up
0RA2	SignalGndR1	12VICust	12VICustomer	24VD5	24VD
0RB3	Gnd	12VIF	12VItoFrontVec	24VD7	PassandPRackPwr
0RB4	Air_Dryer_Gnd	12VIF19	12VI_DDDL	24VD8	
0RB6	Luggageslockunlockrelay	12VIZF	ZFsterringControl	24VD8A	UreaPowerACM
0RB7	GndToEcm	12w_up	VecrInside	24VD8B	UreaPowerACM
0RB8		12Wup	Vecr_Inside	24VDCust	24VDCustomer
0RB8A	GndtoACM	12WUp1	12VWUptoA48	24VDS	Driver_Seat_Pwr
0RB8B	GndtoACM	12Wup1	12WUpFront	24VI	24VI
0RC2	GndDriverCylinder	12Wup2	12WUptoDash	24vi	VecrInside

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24V11	24VltoRearVec	46	FrontFlasherRh	69	ElectricalHorn
24V12	Multifunctionswitchpower	46A	FrontMarkers	69A	PneumaticHorn
24V13	24vlgn	47	DoorOpenSignal	71A	DockingLtsLH
24V14	SunVisorsPwr	48A	DoorUpperPen	72A	DockingLtsRH
24V15	24VlofMuxmodules	48B	DoorUpperPenSig	72B	Sunvisor
24V16	PwrtoDefrostUnit	48C	DoorUpperPenSig	72C	Sunvisor
24V17	WiperPower	49A	DoorInsideSwCloseSig	72R	GndRJB
24V18	24VltoMux	50	WitnessGndSig	74D	Sunvisor
24V19A	24VlofA54	52	Sw102	76	FuelLevelSig
24V110	24VI	53	LowerWip.Spd1Sig	76C	FuelLevelSig
24VIA	Cut-outPneumaticAcc	53A	ElectricalHorn	77	TransducerHi-Side
24VICust	24VICustomer	53B	Wiper	77B	PassandPRackLiquidValve
24VIF	24VltoFrontVEC	53C	LowerWip.IntSig	77BA	A/CCLutch
24WUp1	24VWUptoA47	53D	LowerWip.WasherSwSig	77BB	A/CCLutchsmalla/c
24Wup1	24WUpFront	53E	LowerWiper1stSpd	77C	PassandPRackLiquidValve
25	EngineRunSignal	53F	LowerWasherPump	77K	CoilThermostatSignal
25A1	ExcitationSignal	53H	LowerWiper	78	StopLightSensorSig
25A2	Alternator2Signal	53J	HornElectric	79	12V_Wup
25A4	BatteryNotChargingSig	53K	KeyLessSig	79A	DecelSignal
26	DriverWdoPwr	57A	AuxiliaryWaterPump	79C	DecelSignal
26A	DriverWdo	57L	Hi-Beam	80	BrakeRedundant
26B	DriverWdo	57R	HighBeamRH	81	HeadLtCallSw1
26D	EntranceWdo	57Rtn	SignalRtnHeadLtsLH	82A	Transmission
26E	EntranceWdo	58L	LowBeam	82Low	StopRearLowerLamp
27	PowerEntranceDoorWdo	58R	LowBeamRH	82Up	StopRearUpperLamps
31	UnloaderRH	58Rtn	HeadLampRHRtn	83	24vAccessories
31B	WiperPower	59	Hi/LowBeamSignal	84B	StartSigSw83
32	FrontSlideOutExtending	60	FogsLtsSwSig	85	24VIgnition
32A	BackupLtandalarm	61	HeadLtsSig	85A	Ign-AccSignal
32D	BackupLtandalarm	63	ClearanceLts	85a	Ign-AccSignal
33	UnloaderLH	63A	FrontClearanceLts	85B	Wake-upSig
35	EntranceDoorLights	63AA	ClearanceLts	85C	PositionNormalSw58
35A	EntranceLight	63BB	ClearanceLts	85D	RearStartPwr
39	DriverLtSwSig	64A	Blinker	85E	RearStartSignal
39AA	GndElectronic	65	FootDamper	85F	24VIgnition
39B	KeyLessSig	65A	FootDamper	85G	EgnineStartPwrSw58
39D	DriverLt	65D	DriverCylinder	85J	CutoutRlyLatchSig
39Rtn	GndDriverLt	65P	Pass.Cylinder	85Z	ABS_Trailer_Sig
40	WitnessGnd	66	MarkersSigSw2	86	DefrostunitSpd
41	24VCondensor	67	EvaporatorPwr	86A	PassengerDefrosterControl
41A1	CondensorPwr	67A	Condensor1stSpdSig	86ARtn	GndReturn
45	UpperdefrosterSwSig	68	DashDamper	86BRtn	GndReturn
45A	PassengerHeatSig	68A	DashDamper	86C	PassengerSensor

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86D	PassengerSensor	120	Transmission	141	Transmission
86RTN	GndEntrancedoorLt	123	AFSS	142	ABSSolenoid
86Rtn	GndPassengerDefrosterControl	123A	WakeUpSignal	143	ABSSensor
87	TrailerParkBrakeSig	124A	Transmission	143A	ABSSensor
88	CompressorPressureSignal	125	RetarderSig	144	ABSSensor
89	Drivesensorsig	126F	LevelLowSignal	144A	ABSSensor
90H	24VtoEvap	127	Transmission	145	ABSSolenoid
90H1	Evaporator	128	SunVisors	146	ABSSolenoid
91	ParkBrakeSig	129	SunVisors	147	ABSSolenoid
91B	WitnessSigSw14	130	SunVisors	148	Transmission
92	TrailerParkBrakeSig	131	Transmission	149	Transmission
93	PassengerDefrostSwitchUp	132	DifferentialLockSignal	149A	ABSSensor
94	PassengerDefrostSwitchDown	132A	LevelLowPower	150	Transmission
95	DockingLTswSig	132B	LevelLowSo30	151	GndtoEcm
96	CorneringLTswSig	132C	LevelLowSo31	151A	GndtoEcm
97	LowDockingLightsSwitchSignal	132D	LevelLowSo32	151B	GndToEcm
98	BackupCancelSwitch	132E	LevelLowPower	151C	GndtoEcm
00A1	GndElectronic	132F	LevelLowPower	151D	Coolant_Ground_Level
0B1	GndEnginePreheater	133	Transmission	152	Transmission
00B1	GndEng.Start	134	BatteryNotChargingSig	153	MirrorPwr
OV1	LuggageDoorOpenSig	135	Transmission	154	Transmission
OV2	LuggageDoorOpenSig	135A	Transmission	155	Transmission
OV3	LuggageDoorOpenSig	136	Transmission	156A	12VtoABS
OV5	LuggageDoorOpenSig	136A	TransmissionPwr	157D	Abs_Bus_Signal
OY2	GndChassisABSSol	136AA	ShifterSignal	159	Transmission
OY3	GndChassisABSSol	137	Transmission	160	TagSignal
101	PwrtoStarter	137A	MirrorPwrSig	163	Transmission
101A	Starter_Relay	137B	Mirrors	163A	EngBrakeRetSignal
101B	Starter_Relay	137C	Mirrors	163B	Transmission
102A	PWR_Alt120A	137D	Mirrors	164	HandLevelSig
104	LevelLowSo28	137E	Mirrors	166	WitnessSigSw16
105	FogLtsLH	137F	Mirrors	167	ACB
106	FogLtrH	137H	Mirrors	168	ACB
111	Transmission	137J	Mirrors	170A	LuggagesLocks
114	BacklightPwr	137K	Mirrors	170B	LuggagesLocks
114A	Backlight	137L	Mirrors	170D	
115	Transmission	137M	Mirrors	170E	Luggagesdoorslockrelays
115A	WitnessLampPwr	137N	Mirrors	170F	LuggagesLocks
115W	Transmission	137P	Mirrors	170G	LuggagesLocks
116	DriverLiq	138	Transmission	170K	LuggagesLocksSwitch
116A	DriverLiq	138A	ABSSensor	170L	LuggagesLocksSwitch
118	Transmission	139	Transmission	170M	LuggagesLocksSwitch
119	Transmission	140	Transmission	170N	LuggagesLocksSwitch

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170P	LuggagesLocksSwitch	285	LuggagesLockRelays	507	DPFVolvo
170Q	LuggagesLocksSwitch	285B	KeyLessSig	510	FastIdleSignal
170R	LuggagesLocksSwitch	286	EntranceDoorLock	511	DPFVolvo
170S	LuggagesLocksSwitch	286A	EntranceDoorLock	512	DPFVolvo
170SS	LuggagesLocksSwitch	286B	FrontDoorLock	513	DPFVolvo
170T	LuggagesLocksSwitch	287	KeyLessSig	515	GndPreHeaterRelay
170V	LuggagesLocksSwitch	290	GndFanClutch	516	UreaSystem
170W		290A	GndFanClutch	517	UreaSystem
170X	LuggagesLocksSwitch	291	FanClutch	518	UreaSystem
170Y	LuggagesLocks	292	FanClutch	519	UreaSystem
170Z	LuggagesLocks	294	KeyLessSig	520	UreaSystem
171	LuggageUnlockSwSig	295	KeylessModuleOutput	521	UreaSystem
174	Transmission	296	RJBDoorFan	522	UreaSystem
175	Transmission	297	TransShiftDown	523	UreaSystem
176	Transmission	298	TransShiftUp	524B	IdleValidationSig
177	Transmission	341	See_H3_Design	524C	IdleValidationSig
180	Transmission	342	AFSS	525	UreaSystem
185	TransmissionInhibitSig	343	See_H3_Design	526	UreaSystem
197	FuelFilterSig	344	ExtinguisherSignal	526A	DPFVolvo
201	HeadLampSignal	345	See_H3_Design	526B	DPFVolvo
202	HeadLampWash.Pump	346	PowerSensors	526C	UreaSystem
231	NeutralSignal	347	Fire_Detect_Alarme	527	UreaSystem
231A	StarterRelay	348	See_H3_Design	528	UreaSystem
231B	Starter_Relay	351	EngineShout-downSignal	530	UreaSystem
240A	12v_Engine_Ecu	352	AFSS	531	UreaSystem
240B		360	ClusterKeyPad	532	UreaSystem
241A	PwrDDDRConn	361	ClusterKeyPad	541	CruiseSetSig
241B	PowertoEcm	362	ClusterKeyPad	544	CruiseOn_OffSignal
241C	WaterInFuelHeater	363	ClusterKeyPad	544A	CruiseOn-OffLed
260	WindowAjarSignal	364	FrontAirBrakePress	545	CruiseResumeSig
272	KeylessModuleInput	365	FrontAirBrakePress	583	EngineBrakeB
274	KeylessModuleInput	366	RearAirBrakePress	600	ABSSensor
276	KeylessModuleInput	367	RearAirBrakePress	600A	ABSSensor
277	KeylessModuleKeypadLt	368	AccAirPress	601	ABSSensor
278	KeylessModuleInput	369	AccAirPress	601A	ABSSensor
280	KeylessModuleInput	417	ThrottlePositionSignal	602	ABSSteering&Yawsensor
281	KeyLessSigUnlock	439		603	ABSSteering&Yawsensor
282	KeyLessSigUnlock	439G	Steering	604	ABSSteering&Yawsensor
283	EntranceDoorHingeSignal	500	DDECGND	605	ABSSteering&Yawsensor
283A	UnlockSig	501	Groud_Control_Relay	606	ABSPressuresensor
283C	EntranceDoorHingeSignal	502	IVSOut	607	ABSPressuresensor
284A	LuggagesUnlockRelays	505	DPFVolvo	608	ABSPressuresensor
284B	KeyLessSig	506	DPFVolvo	609	ABSPressuresensor

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CircuitID	Description	CircuitID	Description	CircuitID	Description
610	ABSPressuresensor	CC14	ConverterOutput2	N15	A48Address
611	AbsTagSolenoid	CC15	ConverterOutput4	N16	A48Address
612	AbsTagSolenoid	CC16	ConverterOutput5	N17	A49Address
613	AbsTagSolenoid	CC17	ConverterOutput6	N18	A49Address
614	ABSSteeringSolenoid	Cd1	ComputerSignals	N19	A50Address
614A	ABSSteeringSolenoid	CTS	MCMInterface	N20	A50Address
615	ABStrailersolenoid	Cts	ComputerSignals	N21	A51Address
616	ABStrailersolenoid	D	Trans.HandLever	N22	A51Address
617	ABStrailersolenoid	DL1H	J1939	N23	A52Address
900	J1587+	DL1L	J1939	N24	A52Address
901	J1587-	DL2H	Can2	N25	A53Address
911	EmergencyCutoutRlySignal	DL2L	Can2	N26	A53Address
916	5VSensorPwr	DL3H	DBusL	N27	A54Address
952	GndSensorRtn	DL3L	DBusH	N28	A54Address
953	Electronic_ground_DDEC_VI	DL7H	EngineCan2	N29	A36Address
979	EngineBrakeA	DL7L	EngineCan2	N30	A56Address
980H	Hispeedfanevaporator	DL0H	Sparefrttorr	N31	A56Address
980L	lowspeedfanevaporator	DL0L	Sparefrttorr	N32	A57Address
0L282		Down	ClusterKeyPad	N33	A55_Address
A	Trans.HandLever	E	Trans.HandLever	N34	A55_Address
B	Trans.HandLever	Escape	ClusterKeyPad	nil	Inside_VECF
BB2H	BB2	F	Trans.HandLever	OFB3	TPMSGND
BB2L	BB2	G	Trans.HandLever	RED	Volvo_Starter_Signal
BLACK	TrailerBackupLights	GndA	ComputerSignals	RedFR	TPMS12V
BlkFR	TPMSGND	GREEN	TrailerFlasherRH	RedRL	TPMS12V
BlkRL	TPMSGND	H	Trans.HandLever	RedRR	TPMS12V
BlkRR	TPMSGND	J1939H	J1939	RTS	MCMInterface
BLUE	TrailerconnectorABSPower	J1939L	J1939	Rts	ComputerSignals
BRef1	OutsideTemperatureSensor	LIN	Steering	RX	TPMSDATA
Bref1	PassengerSensor	N1	A41Address	RxD	ComputerSignals
Bref2	PassengerSensor	N2	A41Address	RxTx	MCMInterface
BROWN	TrailerMarkerlights	N3	A42Address	Select	ClusterKeyPad
C	Trans.HandLever	N4	A42Address	So1	Gnd
CC1	Converterinput1	N5	A43Address	So2	SldOutRemoteSig
CC2	Converterinput2	N6	A43Address	So3	SldOutInSig
CC3	Converterinput3	N7	A44Address	So4	SignalOut
CC4	ConverterInput4	N8	A44Address	So6	Proximitysignal
CC5	Converterinput5	N9	A45Address	So7	Proximitysignal
CC6	Converterinput5	N10	A45Address	SO8	PowerSldOut1Sensor
CC7	ConverterInput2	N11	A46Address	So8	PowerSldOut1Sensor
CC8	ConverterInput2	N12	A46Address	So9	SldOut1StatusLed
CC12	Converteroutput1	N13	A47Address	So10	SldOut1RelaySig
CC13	ConverterOutput3	N14	A47Address	So11	SldOut2RelaySig

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CircuitID	Description	CircuitID	Description	CircuitID	Description
So12	SealInflating	spare24	SparesClearanceLts	YELLOW	TrailerFlasherLH
So13	SldOut1SealDeflatSig	spare25	SparesClearanceLts		
So14	SldOut1VacumGen	spare26	SparesFrontHarness		
So16	SensorGndRtn	spare27	SparesFrontHarness		
So18	GndSlideOut	spare28	SparesFrontHarness		
So19	SldOutMotor1Sig	spare29	SparesFrontHarness		
So20	SldOutMotor1Sig	spare30	SparesFrontHarness		
So21	SldOut1MotorSig	spare31	SparesFrontHarness		
So26	SlideOut	spare32	SparesFrontHarness		
So31	GndSlideOut	spare33	SparesFrontHarness		
So32	SldOut1SignalOut	spare34	SparesFrontHarness		
So33	SldOut2SignalIn	spare35	SparesFrontHarness		
So36	Proximitysignal	spare36	SparesFrontHarness		
So37	Proximitysignal	spare37	SparesFrontHarness		
So38	PowerSldOut2Sensor	spare38	SparesFrontHarness		
So39	SldOut2StatusLed	spare39	SparesDash		
So40	SldOut2RelaySig	spare40	SparesDash		
So41	SldOut2RelaySig	spare41	SparesDash		
So42	SldOut2SealDeflatSig	spare42	SparesDash		
So46	SldOutMotor2sig	spare43	SparesDash		
So47	SldOutMotor2sig	spare44	SparesDash		
So48	SldOut2MotorSig	spare45	SparesFr-to-RearHarness		
So55	SecurityPinSol	spare46	SparesFr-to-RearHarness		
So58	SldOutMotor1Sig	spare51	SparesEngineCradle		
So59	SldOutMotor2sig	spare52	SparesEngineCradle		
So61	SldOut2SealInflat	spare53	SparesEngineCradle		
SP	ConverterVehicleSpeed	spare54	SparesEngineCradle		
spare	VecrInside	spare62	spareABSHarness		
spare	VecrInside	spare63	spareABSHarness		
spare2	SparesFr-to-RearHarness	spare64	spare		
spare3	SparesFr-to-RearHarness	spare65	spare		
spare4	SparesEvap.Harness	spare96	spare		
spare6	SparesEvap.Harness	spare97	spare		
spare7	SparesEvap.Harness	spare98	spare		
spare8	SparesEvap.Harness	SubH	Subnet		
spare9	SparesEvap.Harness	SubL	Subnet		
spare17	SparesFr-to-RearHarness	TX	TPMSDATA		
spare18	SparesFr-to-RearHarness	TxD	MCMInterface		
spare19	SparesFr-to-RearHarness	Up	ClusterKeyPad		
spare20	SparesClearanceLts	VDALT	Alternator		
spare21	SparesClearanceLts	WHITE	TrailerConnectorGnd		
spare22	SparesClearanceLts	WhtFR	TPMSDATA		
spare23	SparesClearanceLts	WhtRR	TPMSDATA		