

# CIRCUITS LIST

| CircuitID | Description               | CircuitID | Description       | CircuitID | Description          |
|-----------|---------------------------|-----------|-------------------|-----------|----------------------|
| 0         | WCLRemoteCtrl             | OR1       |                   | 5C        |                      |
| 0A        | EvaporatorMain            | OR2       |                   | 5vKnee    | KneelingLevel        |
| 00A       | GndElectronic             | OR3       |                   | 6         | GndWitnessSw24       |
| 00A1      | GndElectronic             | OR4       |                   | 7         | GndDriverSensor      |
| 00A2      | GndSw29                   | OR51      |                   | 8         | GndParkBrakeSol      |
| 0B        | EngineChassisGnd          | OR52      |                   | 9A        | EngineDoorOpenSig    |
| 00B       | ElectronicGndofMuxModules | ORA1      | GndEngineCmpt.Lts | 9C        | EngineDoorOpenSig    |
| 0B1       | GndEnginePreheater        | ORA2      | GNDRJBfan         | 10        | LuggageCmpt.LtsPwr   |
| 0BB       | SensorGnd                 | ORA3      | DiodetoR1         | 10A       |                      |
| 0BP1      | BrakeInterlock            | ORB3      | ChassisGnd        | 10R       | LuggageDoorOpenSig   |
| 0C        | GndStarter                | ORB5      | GndPre-Heat       | 11        |                      |
| 00C       | GndElectronic             | ORB6      |                   | 11A       |                      |
| 0CE       | Front_Electronic_Gnd      | ORB7      | GndToEcm          | 12Ecu     | 12vEngineEcu         |
| 0CG       |                           | ORB8      | GndElectronic     | 12SS1     | 12VMotorola          |
| 00D       | Gnd_AFSS                  | ORC2      | GndDefrostUnit    | 12SS2     |                      |
| 00E       | Gnd_AFSS                  | ORC3      | GndR23            | 12SS3     |                      |
| 0EV1      | CondensorGnd              | ORC4      | GndEntranceLights | 12VA      | 12vEqualizer         |
| 0EV2      | GndHvac                   | ORC5      |                   | 12VD      | 12VDTOCB2            |
| 0EV3      | Evap_Compt_Gnd            | OSA1      | ChassisGnd        | 12VD1     | 12VDTOCB2            |
| 0EV4      | PRackChassisGnd           | OSS       |                   | 12VD2     | DirectElectricalHorn |
| 0F        | FJBDdoorOpenSig           | OSW       |                   | 12VD3     | 12vRearwake-up       |
| 0F1       |                           | OSW1      |                   | 12VD4     | 12vEngineEcu         |
| 0F2       |                           | OSW2      |                   | 12VDCust  | 12VDCustomer         |
| 0FA4      | GndPwrOutlet              | 0V        |                   | 12VDF     | 12VDtoFrontVec       |
| 0FARE     |                           | 0V2       |                   | 12VI      | 12VltoCB10           |
| 0FB1      |                           | 0V3       |                   | 12VI1     | 12VlofA44            |
| 0FB2      | GndDriverWdo              | 0VE       | EqualizerGnd      | 12VI5     | 12VltoVECR           |
| 0FB3      | GndMasterID               | 0W        | WCLGnd            | 12VI6     | PwrtoModuleA50       |
| 0FC1      |                           | 0WC       | WCLGnd            | 12VI7     | DOORLOCK             |
| 0FC2      | DirectLightSwSig          | 0Y        | GndSignal         | 12VI8     |                      |
| 0FC3      | GndSw25                   | 0Y2       | GndChassisABSSol  | 12VI8B    | AirDryer             |
| 0FC4      | ElectricalHorn            | 0Y3       | GndChassisABSSol  | 12VI9     |                      |
| 0G        | GndElectronic             | 1         | Transmission      | 12VI10    | MirrorPwr            |
| 0H        | CoolantLevelGround        | 2         | PowerPACommuter   | 12VICust  | 12VICustomer         |
| 0I4       |                           | 2B        | CondensorLow      | 12VIF     | 12VltoFrontVec       |
| 0LAV      |                           | 2mph      | WitnessPwr        | 12VIF19   | 12vDDDR              |
| 0Lav      | GndReadingLamps           | 3         | DoorLatchSig      | 12VIZF    | ZFsterringControl    |
| 0LAV1     | IndirectLightsPwr         | 4A        | WitnessGnd        | 12W       | DoorUnlockSol        |
| 0Lav1     | GndDirectLights           | 4C        | HostessChimeSig   | 12WUp1    | 12VWUptoA48          |
| 0MOTO     |                           | 4CWcl     |                   | 12Wup1    | 12WUpFront           |
| 0PR       | GndElectronic             | 5A        | UpperDefrostfan   | 12Wup2    | 12WUptoDash          |
| 0PR2      | Gnd_Fr_Clearance_Lts      | 5B        | UpperDefrostfan   | 12Wup3    | AirFilterLedPower    |
| 0PR3      | UpperDefrosterGnd         | 5BP1      | BrakeInterlock    | 12WUp5    | PwrtoModuleA51       |

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| 13        | GndTransducer           | 24VD14    |                       | 32AA      | BackupLtandalarm      |
| 14        | LuggageCmpt.LtsPwr      | 24VD15    |                       | 32D       |                       |
| 15        |                         | 24VD16    |                       | 35        | EntranceDoorLights    |
| 16        | Speed_Signal            | 24VDCH    | BattCharger           | 35A       |                       |
| 17        | PWRRJBFAN               | 24VDCust  | 24VDCustomer          | 38AA      | IndirectLightsPwr     |
| 17A       | StairFanSpeedCtr        | 24VDR4    | AFSS                  | 39        | DriverLtSwSig         |
| 17B       | StairFanSpeedCtr        | 24VFB     | CommuterOption        | 39D       | DriverLt              |
| 18        | Wip.WasherLevel         | 24VI      | 24VI                  | 40        | WitnessGnd            |
| 19        | PWRSTAIRFAN             | 24VI1     | 24VItoRearVec         | 41        | 24VCondensor          |
| 20        | PWRSTAIRFAN             | 24VI3     |                       | 41A       | CondensorPwr          |
| 21        | FlasherLHSig            | 24VI5     | 24VIofMuxmodules      | 41A1      | CondensorPwr          |
| 21A       | FrontFlasher            | 24VI6     | PwrtoDefrostUnit      | 41A2      | CondensorPwr          |
| 21AA      | FrontFlasher            | 24VI7     | LowerWiperPwr         | 41A3      | CondensorPwr          |
| 21C       | FlashersRearRH          | 24VI8     | 24VItoMux             | 41A4      | CondensorPwr          |
| 21D       | ClearanceLts            | 24VI9     |                       | 43        | P-RackLHFan           |
| 22        | HazardSwSig             | 24VI9A    | 24VItoA54             | 43F       | WitnessGndSw27        |
| 23        | FlasherRHSig            | 24VI13    | Volvo_Link            | 43G       | Parcel_Rack_Vent      |
| 23A       | FrontFlasherRH          | 24VI15    |                       | 44        | PRackRH               |
| 23AA      | FrontFlasherRH          | 24VI16    | CommuterOption        | 45        | Pre-HeatSigRly        |
| 23C       | ClearanceLts            | 24VI17    |                       | 45A       | PassengerHeatSig      |
| 23D       | ClearanceLts            | 24VIA     | Cut-outPneumaticAcc   | 46        | FrontFlasherRh        |
| 24Alt     | PwrtoExcitationResistor | 24VICust  | 24VICustomer          | 46A       | FrontMarkers          |
| 24Alt2    | PwrtoExcitationResistor | 24VIF     | 24VItoFrontVEC        | 46B       | MarkersCenter         |
| 24CO      | 24COtoSw58              | 24WC      | WCL24VDPower          | 47        | DoorOpenSignal        |
| 24D       | 24Direct                | 24WUp1    | 24WUp_To_A47_A48      | 47A       | DoorOpenSignal        |
| 24D1      | 24Direct                | 24Wup1    | 24WUp_Front           | 48A       | DoorOpenSol           |
| 24EE2     | 24VI_To_CB              | 24Wup2    |                       | 49        | DoorCloseSignal       |
| 24IZ      | 24VII_Shift             | 24Wup3    | 24Wup3ofA41           | 49A       | DoorInsideSwCloseSig  |
| 24V       |                         | 24Wup4    |                       | 50        | DriverHeatValve       |
| 24VA      | 24vEquilizer            | 24Wup9    |                       | 51        | WitnessGnd            |
| 24VB2     | 24VEnginePreheater      | 24Wup12   |                       | 52        | ElectricalHorn        |
| 24VD      |                         | 24Wup76   |                       | 52A       | ElectricalHorn        |
| 24VD1     |                         | 25        | EngineRunSignal       | 53        | LowerWip1stSpd        |
| 24VD2     | 24VDEng.StartSw83       | 25A1      | ExcitationSignal      | 53B       | LowerWip2ndSpd        |
| 24VD3     |                         | 25A2      | ExcitationSignal      | 53D       | Washer_ctrl           |
| 24VD4     | 24VDFrontWake-up        | 25A4      | BatteryNotChargingSig | 53E       | LowerWiper1stSpd      |
| 24VD5     | 24VDtoPre-Heat          | 26        | DriverWindoPw         | 53F       | LowerWasherPump       |
| 24VD6     | 24VDPre-Heat            | 26A       | DriverWdo             | 53G       | LowerWip1stSpd        |
| 24VD7     | PassandPRackPwr         | 26B       | DriverWdo             | 53H       | LowerWip.IntSig       |
| 24VD8     | UreaSystem              | 29        | TagAxleValveSig       | 53J       | Washer_ctrl           |
| 24VD9     |                         | 31        | UnloaderRH            | 55        | Lugg_Door_Lock_Signal |
| 24VD10    | Volvo_Link              | 31B       | WiperParkPwr          | 57A       | WaterPump             |
| 24VD11    |                         | 32A       | BackupLtandalarm      | 57G       | Pre-HeatWebasto       |

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| 57GA      | Pre-HeattoWtrPmpRly     | 82        |                      | 116A      | DriverLiq          |
| 57H       | Pre-HeattoWtrPmpRly     | 82A       | CyclopeSignal        | 118       | Transmission       |
| 57L       | Hi-Beam                 | 82Low     | StopRearLowerLamp    | 119       | Transmission       |
| 57R       | HighBeamRH              | 82Up      | StopRearUpperLamps   | 120       | Transmission       |
| 57Rtn     | SignalRtnHeadLtsLH      | 84        | StartSigSw83         | 124       | FireAlarm_Detector |
| 58L       | LowBeam                 | 84A       | StartSigSw83         | 124A      | ShifterSignal      |
| 58R       | LowBeamRH               | 84B       | StartSigSw83         | 125       | RetarderActiveLamp |
| 58Rtn     |                         | 85        | 24VIgnition          | 126A      | KneelingUpSwSig    |
| 59        | Hi/LowBeamSignal        | 85A       | Ign-AccSignal        | 126B      | KneelingDownSwSig  |
| 61        | HeadLtsSig              | 85B       | Wake-upSig           | 126F      | KneelingDownSol    |
| 63        | ClearanceLts            | 85BB      | Ign-AccSignal        | 126G      | KneelingUpSol      |
| 63A       | FrontClearanceLts       | 85C       | PositionNormalSw58   | 126H      | KneelingCtrl.Sol   |
| 63B       | ClearanceLts            | 85D       | RearStartPwr         | 126P      | KneelingBuzzer     |
| 65        | FootDamper              | 85E       | RearStartSignal      | 127       | Pre-HeatSignal     |
| 65A       | FootDamper              | 85F       | EgnineStartPwr       | 128       | Pre-HeatStatus     |
| 65D       | DriverCylinder          | 85G       | Ign-AccSignal        | 128B      | Pre-HeatTTLT       |
| 65P       | Pass.Cylinder           | 85X       | 24VIgn               | 131       | Evaporator2ndSpd   |
| 65T       | SignalToPre-heatrelay   | 85Z       | ABS_Trailer_Sig      | 133       | Transmission       |
| 66        | MarkersSigSw2           | 86        | DefrostunitSpd       | 135       | Transmission       |
| 67        | EvaporatorPwr           | 86ARtn    | EntranceCeilingLtGnd | 135A      | HandLevelSig       |
| 67A       | Condensor1stSpdSig      | 86BRtn    | Gnd                  | 136       | Transmission       |
| 68        | DashDamper              | 88        | TransducerPwr        | 136A      | TransmissionPwr    |
| 68A       | DashDamper              | 89        | DriverSensorSig      | 136AA     | ShifterSignal      |
| 69        |                         | 90H       | Evap_Rly_Power       | 137       | Transmission       |
| 73        | HostessChimePwr         | 90H1      | EvaporatorMain       | 137B      | Mirrors            |
| 74        | ReadingLampSig          | 91        | ParkBrakeSig         | 137C      | Mirrors            |
| 74A       | ReadingLampsRH          | 91B       | WitnessSigSw14       | 137D      | Mirrors            |
| 74B       | ReadingLampsRH          | 98        | BackupAlarmCancel    | 137E      | Mirrors            |
| 75        | ReadingLampsRH          | 99        | Sw20Gnd              | 137F      | Mirrors            |
| 76        | FuelLevelSig            | 100       | IndirectLight        | 137H      | Mirrors            |
| 76C       | FuelGaugeWrn            | 100A      | IndirectLightLH      | 137J      | Mirrors            |
| 77        | TransducerHi-Side       | 100B      | IndirectLight        | 137K      | Mirrors            |
| 77AC      | A/Cclutch               | 101       | R1toStarter          | 137L      | Mirrors            |
| 77B       | PassandPRackLiquidValve | 101A      | StarterCtr           | 137M      | Mirrors            |
| 77BA      | A/Cclutch               | 101B      | StarterCtr           | 138       | ABSSensor          |
| 77BB      |                         | 102A      | Alternator           | 138A      | ABSSensor          |
| 77C       | PassandPRackLiquidValve | 111       | Transmission         | 139       | ABSSolenoid        |
| 78        | StopLightSensorSig      | 114       | DriverLt             | 140       | ABSSolenoid        |
| 78BA      |                         | 114A      | Backlight            | 141       | ABSSolenoid        |
| 78BB      |                         | 114AA     | Backlight            | 142       | ABSSolenoid        |
| 79        | TranducerLow-Side       | 115       | Transmission         | 143       | ABSSensor          |
| 79A       | StopLightSensorSig      | 115A      | WitnessPwr           | 143A      | ABSSensor          |
| 80        | ParkBrakeSig            | 116       | DriverLiq            | 144       | ABSSensor          |

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| 144A      | ABSSensor             | 175       | Transmission           | 304A      | WheelChairLift         |
| 145       | ABSSolenoid           | 176       | Transmission           | 305       | ParkBrakeSol           |
| 146       | ABSSolenoid           | 177       | Transmission           | 305A      | WCLUpperDoorSignal     |
| 146A      | PwrtoModuleA50        | 180       | Transmission           | 306       |                        |
| 147       | ABSSolenoid           | 181       | PassengerSensor        | 307       | WCL                    |
| 148       | ABSSolenoid           | 185       | TransmissionInhibitSig | 308       | WCL                    |
| 149       | ABSSensor             | 188       | AutomaticTagUnload     | 309       | WCL                    |
| 149A      | ABSSensor             | 203       | VannerCtr              | 310       | PwrWCLDoorSe           |
| 150       | Transmission          | 204       | VannerCtr              | 311       | WCLTopLights           |
| 151       | ABSRearAtcSolenoid    | 205       | VannerCtr              | 312       | DoorFirstLatchSignal   |
| 151A      | GndElectronic         | 206       | VannerCtr              | 313       | WCL                    |
| 151B      | GndElectronic         | 207       | VannerCtr              | 314       | WCL_Se62               |
| 151C      | GndElectronic         | 208       | VannerCtr              | 341       |                        |
| 152       | ABSRearAtcSolenoid    | 209       | VannerCtr              | 342       | AFSS_Panel_Gnd         |
| 154       | Transmission          | 210       | VannerCtr              | 343       |                        |
| 155       | Transmission          | 211       | GndElectronic          | 343A      | See_H3_Design          |
| 156A      | 12VtoABS              | 213       |                        | 344       | See_H3_Design          |
| 157D      | ATCSignal             | 215       |                        | 345       | See_H3_Design          |
| 159       | Transmission          | 216       |                        | 346       | See_H3_Design          |
| 160       | TagSignal             | 217       |                        | 346A      | PowerSensors           |
| 162       | Gnd_Service_Brake     | 218       |                        | 346B      | PowerSensors           |
| 163A      | RetarderSig           | 219       |                        | 346C      | PowerSensors           |
| 163B      | Retarder_Sig          | 220       |                        | 347       | Fire_Detect_Alarme     |
| 164       | HandLevelSig          | 221       |                        | 347A      | Fire_Detect_Alarme     |
| 166       | WitnessSigSw16        | 225       | LavatoryFan            | 347B      | Fire_Detect_Alarme     |
| 170       | LuggageLock_UnlockSig | 231       | NeutralSig             | 347C      | Fire_Detect_Alarme     |
| 170A      | Lugg_Door_Lock        | 231A      | StarterRelay           | 348       | See_H3_Design          |
| 170B      | Lugg_Door_Lock        | 240A      | ECMPOWER               | 349       | Fire_Detect_Alarme     |
| 170D      | Lugg_Door_Lock        | 240B      | CPC_Supply             | 350       | Fire_Detect_Alarme     |
| 170E      | Lugg_Door_Lock        | 241A      | ECMPOWER               | 350A      | Fire_Detect_Alarme     |
| 170F      | Lugg_Door_Lock        | 241B      | 24VoltIgnition         | 351       | EngineShout-downSignal |
| 170G      | Lugg_Door_Lock        | 241C      | WIF_Heater             | 352       | OverrideSignal         |
| 170H      | Lugg_Door_Lock_Signal | 260       | WindowAjarSig          | 364       | Trans.RearAirBrake     |
| 170Q      | LuggageLock_UnlockSig | 290       | GndFanClutch           | 365       | Trans.RearAirBrake     |
| 170R      | Electronic_Gnd        | 290A      | GndFanClutch           | 366       | Trans.RearAirBrake     |
| 170S      | LuggageLock_UnlockSig | 291       | FanClutch              | 367       | Trans.RearAirBrake     |
| 170T      | LuggageLock_UnlockSig | 292       | FanClutch              | 368       | AccAirPressureSig      |
| 170U      | LuggageLock_UnlockSig | 300       | WCLTopLightSliding     | 369       | AccAirPressureSig      |
| 170V      | LuggageLock_UnlockSig | 301       | WheelChairLiftSwitch   | 417       | ThrottlePositionSignal |
| 170W      | LuggageLock_UnlockSig | 302       | WCLRicon               | 439       | 12VtoABS               |
| 170X      | LuggageLock_UnlockSig | 302A      | WCLSlidingdoorSig      | 500       | 12VPwrIdleValid        |
| 171       | Transmission          | 303       | WCLRicon               | 501       | SupplyControl          |
| 174       | Transmission          | 304       |                        | 502       | IVSOut                 |

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|-----------|-----------------------|-----------------|--------------------------|---------------|-------------------------|
| 503       | WheelChairLift        | 610             | ABSPressuresensor        | CIS_SPR8      |                         |
| 504       | UreaSystem            | 611             | AbsTagSolenoid           | CIS_USB       |                         |
| 505       | UreaSystem            | 612             | AbsTagSolenoid           | CTRL          |                         |
| 506       | UreaSystem            | 613             | AbsTagSolenoid           | CTS           | MCMData                 |
| 507       | UreaSystem            | 614             | ABSSteeringSolenoid      | Cts           | ComputerSignals         |
| 510       | FastIdleSignal        | 614A            | ABSSteeringSolenoid      | DL0H          | SparesFr-to-RearHarness |
| 511       | UreaSystem            | 900             |                          | DL0HS         | SparesCanFrontHarness   |
| 512       | UreaSystem            | 901             |                          | DL0L          | SparesFr-to-RearHarness |
| 513       | UreaSystem            | 910             | L_SPEAKER_HARNESS        | DL0LS         | SparesCanFrontHarness   |
| 515       | GroundPreheaterRelay  | 911             | EmergencyCutoutRlySignal | DL1H          | J1939                   |
| 516       | UreaSystem            | 916             | 5VSensorPwr              | DL1L          | J1939                   |
| 517       | UreaSystem            | 952             | GndSensorRtn             | DL2H          | BB2                     |
| 520       | UreaSystem            | 953             | GndElectronic            | DL2L          | BB2                     |
| 521       | UreaSystem            | AuxBP           |                          | DL3H          | DBusSignal              |
| 522       | UreaSystem            | BK              | CommuterOption           | DL3L          | DBusSignal              |
| 523       | UreaSystem            | BLACK           | 120VACOutlet             | DL7H          | EngineSubnet            |
| 524C      | IdleValidationSig     | Black           | PwrBatteryCharger        | DL7L          | EngineSubnet            |
| 525       | UreaSystem            | BRef1           | SensorGnd                | DL9H          |                         |
| 526       | UreaSystem            | Bref2           | PassengerSensor          | DL9L          |                         |
| 526A      | DPFVolvo              | BrkAux          | BrakeAuxBypass           | down          | ClusterCtr              |
| 526B      | DPFVolvo              | BrkNeg          | HillStartAssist          | Driver-Relay+ |                         |
| 526C      | UreaSystem            | BRKP            | BrakeInterlock           | Driver-Relay- |                         |
| 527       | UreaSystem            | BUSBAR          |                          | escape        | ClusterCtr              |
| 528       | UreaSystem            | BussBar         |                          | fuilf         | fake                    |
| 530       | UreaSystem            | CAN1-HI         | GatewayCan2              | GND           |                         |
| 531       | UreaSystem            | CAN1-LO         | GatewayCan2              | gnd           | GroundFuelTank          |
| 532       | UreaSystem            | CanH2           | SpareCan                 | GndA          | ComputerSignals         |
| 533       | Control_Ground_Relay  | CanL2           | SpareCan                 | GNDMOTO       |                         |
| 534       | Control_Ground_Relay  | CARD_READER     |                          | GNDMV         |                         |
| 535       | WettankPress5v        | Cd1             | ComputerSignals          | Gong          | Chime                   |
| 536       | WettankPressOut       | Chgr            | Battery_Charger_Gnd      | GREEN         | 120VACOutlet            |
| 537       | WettankPress5v        | CIS_24VDC       |                          | Green         | PwrBatteryCharger       |
| 600       | ABSSensor             | CIS_DASH_CAT5_1 |                          | IFU           |                         |
| 600A      | ABSSensor             | CIS_DASH_CAT5_2 |                          | IFU2          |                         |
| 601       | ABSSensor             | CIS_GND         |                          | IFU3          |                         |
| 601A      | ABSSensor             | CIS_IGN         |                          | IFU5          |                         |
| 602       | ABSSteering&Yawsensor | CIS_REV         |                          | INTLK         | BrakeInterlock          |
| 603       | ABSSteering&Yawsensor | CIS_SPD         |                          | IVNSTAT       |                         |
| 604       | ABSSteering&Yawsensor | CIS_SPR0        |                          | KneeLevel     | KneelingLevel           |
| 605       | ABSSteering&Yawsensor | CIS_SPR1        |                          | KneeRef       | KneelingLevel           |
| 606       | ABSPressuresensor     | CIS_SPR3        |                          | L303          |                         |
| 607       | ABSPressuresensor     | CIS_SPR4        |                          | L303A         |                         |
| 608       | ABSPressuresensor     | CIS_SPR7        |                          | LF+           | L_SPEAKER_HARNESS       |

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| LF-       | L_SPEAKER_HARNESS     | ODK5         |                     | SL13      | L_SPEAKER_HARNESS        |
| LR+       | FR_SPEAKER_HARNESS_   | ODK_CAT5     |                     | SL24      | L_SPEAKER_HARNESS        |
| LR-       | FR_SPEAKER_HARNESS_   | OilSep       |                     | SL35      | L_SPEAKER_HARNESS        |
| Master    | MasterInterlockBypass | Out+         | Speaker             | SL46      | L_SPEAKER_HARNESS        |
| Motorola  | TriggerMotorola       | Out-         | Speaker             | SL57      | L_SPEAKER_HARNESS        |
| Mute      | GndPACommuter         | OutL+        | Speaker             | SL68      | L_SPEAKER_HARNESS        |
| N1        | A41Adress             | OutL-        | Speaker             | SL1012    | L_SPEAKER_HARNESS        |
| N2        | A41Adress             | OutR+        |                     | SL1113    | L_SPEAKER_HARNESS        |
| N3        | A42Adress             | OutR-        | Speaker             | SL1214    | L_SPEAKER_HARNESS        |
| N4        | A42Adress             | PA-Relay+    |                     | spare10   | SparesInteriorLtsHarness |
| N7        | A44Adress             | PA-Relay-    |                     | spare11   | SparesInteriorLtsHarness |
| N8        | A44Adress             | PP1          | InverterPwr         | spare12   | SparesInteriorHarness    |
| N9        | A45Adress             | Pw1          |                     | spare13   | SparesInteriorHarness    |
| N10       | A45Adress             | Pw2          |                     | spare14   | SparesInteriorHarness    |
| N11       | A46Adress             | Pw3          |                     | spare15   | SparesInteriorHarness    |
| N12       | A46Adress             | RDR_GND      |                     | spare16   | SparesInteriorHarness    |
| N13       | A47Adress             | RDR_PWR      |                     | spare17   | SparesFr-to-RearHarness  |
| N14       | A47Adress             | RELAY        |                     | spare18   | SparesFr-to-RearHarness  |
| N15       | A48Adress             | RetOff       | RetarderOffLight    | spare19   | SparesFr-to-RearHarness  |
| N16       | A48Adress             | RF+          | L_SPEAKER_HARNESS   | spare20   | SparesClearanceLts       |
| N17       | A49Adress             | RF-          | L_SPEAKER_HARNESS   | spare21   | SparesClearanceLts       |
| N18       | A49Adress             | RR+          | FR_SPEAKER_HARNESS_ | spare22   | SparesClearanceLts       |
| N19       | A50Adress             | RR-          | FR_SPEAKER_HARNESS_ | spare23   | SparesClearanceLts       |
| N20       | A50Adress             | RTS          | MCMDData            | spare24   | SparesClearanceLts       |
| N21       | A51Adress             | Rts          | ComputerSignals     | spare25   | SparesClearanceLts       |
| N22       | A51Adress             | RX           | CommuterOption      | spare28   | SparesFrontHarness       |
| N23       | A52Adress             | RxD          | ComputerSignals     | spare29   | SparesFrontHarness       |
| N24       | A52Adress             | RxTx         | MCMDData            | spare30   | SparesFrontHarness       |
| N25       | A53Adress             | RXTXCTR1     |                     | spare31   | SparesFrontHarness       |
| N26       | A53Adress             | RXTXCTR2     |                     | spare32   | SparesFrontHarness       |
| N27       | A54Adress             | Sbelt        |                     | spare33   | SparesFrontHarness       |
| N28       | A54Adress             | select       | ClusterCtr          | spare34   | SparesFrontHarness       |
| N29       | A36Adress             | SHD          | CommuterOption      | spare35   | SparesFrontHarness       |
| O1C       |                       | SHIELD       |                     | spare39   | SparesDash               |
| O1JP      |                       | Shield       |                     | spare40   | SparesDash               |
| O1NC      |                       | Shield1      |                     | spare41   | SparesDash               |
| O1NO      |                       | Shield_PS    |                     | spare42   | SparesDash               |
| O2C       |                       | Shield_T1    |                     | spare43   | SparesDash               |
| O2JP      |                       | Shield_T2    |                     | spare44   | SparesDash               |
| O2NC      |                       | Shield_T3    |                     | spare51   | SparesEngineCradle       |
| ODK       |                       | SHLD         |                     | spare52   | SparesEngineCradle       |
| ODK2      |                       | SilentAlarm+ | SilentAlarm         | spare53   | SparesEngineCradle       |
| ODK3      |                       | SilentAlarm- | SilentAlarm         | spare54   | SparesEngineCradle       |

# CIRCUITS LIST

| CircuitID  | Description           | CircuitID | Description       |  |  |
|------------|-----------------------|-----------|-------------------|--|--|
| spare62    | spareABSHarness       | WeR2      |                   |  |  |
| spare64    | Spare_Transmission    | WeR3      |                   |  |  |
| spare65    | Spare_Transmission    | WeR4      |                   |  |  |
| spare72    | spare                 | WHITE     | 120VACOutlet      |  |  |
| spare73    | spare                 | White     | PwrBatteryCharger |  |  |
| spare74    | SparesInteriorHarness |           |                   |  |  |
| spare75    | SparesInteriorHarness |           |                   |  |  |
| spare76    | SparesInteriorHarness |           |                   |  |  |
| SpkDriver+ |                       |           |                   |  |  |
| SpkDriver- |                       |           |                   |  |  |
| SpkIn+     | Speaker               |           |                   |  |  |
| SpkIn-     | Speaker               |           |                   |  |  |
| SpkIVN+    | Speaker               |           |                   |  |  |
| SpkIVN-    | Speaker               |           |                   |  |  |
| SpkOut+    | Speaker               |           |                   |  |  |
| SpkOut-    | Speaker               |           |                   |  |  |
| SpkPA+     | Speaker               |           |                   |  |  |
| SpkPA-     | Speaker               |           |                   |  |  |
| SR13       | FR_SPEAKER_HARNESS_   |           |                   |  |  |
| SR24       | FR_SPEAKER_HARNESS_   |           |                   |  |  |
| SR35       | FR_SPEAKER_HARNESS_   |           |                   |  |  |
| SR46       | FR_SPEAKER_HARNESS_   |           |                   |  |  |
| SR57       | FR_SPEAKER_HARNESS_   |           |                   |  |  |
| SR68       | FR_SPEAKER_HARNESS_   |           |                   |  |  |
| SR911      | R_SPEAKER_HARNESS_WCL |           |                   |  |  |
| SR1012     | R_SPEAKER_HARNESS_WCL |           |                   |  |  |
| SR1113     | R_SPEAKER_HARNESS_WCL |           |                   |  |  |
| SR1214     | R_SPEAKER_HARNESS_WCL |           |                   |  |  |
| Sto-Loc    | WCLRemoteCtrl         |           |                   |  |  |
| TX         | CommuterOption        |           |                   |  |  |
| TxD        | MCMDData              |           |                   |  |  |
| up         | ClusterCtr            |           |                   |  |  |
| VD15       | 24VDTachometer        |           |                   |  |  |
| VDALT      |                       |           |                   |  |  |
| WC2        | WCLRemoteCtrl         |           |                   |  |  |
| WC3        | WCLRemoteCtrl         |           |                   |  |  |
| WC4        | WCLRemoteCtrl         |           |                   |  |  |
| WC6        | WCLRemoteCtrl         |           |                   |  |  |
| WC7        | WCLRemoteCtrl         |           |                   |  |  |
| WCGong     | Chime                 |           |                   |  |  |
| WeF1       |                       |           |                   |  |  |
| WeF2       |                       |           |                   |  |  |
| WeR1       |                       |           |                   |  |  |