

MULTIPLEX DEVICES LIST

Device ID	Description	Name	Module ID	Module Pin#	Page
A1	Neutral Signal Sensor	I_NeutralSe	A50	J1:11	
A1	Retarder Signal	I_RetdrSig	A50	J1:12	
A1	Transmission Inhibit	O_TransInhibit	A50	J1:2	15.1
A10	Pre-Heat Led To Mux	I_PHeatSigLed	A49	J1:7	
A8	Check Engine Signal	I_ChkEngSe	A42	J1:10	
A8	Stop Engine Sensor	I_StopEngSe	A42	J1:9	
A8	ZF Break Lights enable	I_ZfBrkLtEn	A49	J1:19	
A8	Engine Brake ACTIVE Sensor	I_EngBrOnSe	A51	J1:11	
A8	Left Hand Flasher Indicator	O_PrkBrkToEcm	A51	J1:1	15.1
ABSModule	Signal Abs Warning from ABS Module	I_AbsSignalWrn	A41	J1:9	
Alt1_Bosch		I_Alt1Voltage	A49	J1:8	
Alt2_Bosch		I_Alt2Voltage	A49	J1:9	
Ecm_J2:A2	Engine Fan Signal Speed 1	I_EngFanSpd1	A52	J1:9	
Ecm_J3:W3	Engine Fan Signal Speed 2	I_EngFanSpd2	A52	J1:10	
Ecu_Trans_CS:11	Engine Brake Transmission Position 1	O_EngBrTran1	A50	J1:21	
Ecu_Trans_CS:31	Check Transmission Signal	I_ChkTrans	A49	J1:10	
Ecu_trans_CV:4	Reverse Signal from Transmission	I_ReverseSig	A50	J1:9	
L142	Lavatory Fluorescent Light Bulb	O_LavFluoLb	A50	J1:20	
L143	Lavatory Occupied Light Bulb	O_LavOccLb	A41	J1:13	11.1
L16	Driver Light Bulb	O_DriverLtLb	A44	J1:3	19.1
L173_L174	Engine Compartment Light Switch	O_EngCmptLbZF	A52	J1:5	25.1
L18	Entrance Door Light Bulb	O_EntDorLtLb	A44	J1:5	29.1
L185-L186	Electric Horn	O_HornSol	A45	J1:20	9.1
L188	Kneeling Alarm	O_KneelingAlm	A42	J1:14	
L18-L19-L20	Entrance Door Step Light Bulb	O_EntDorStpLb	A47	J1:5	29.1
L198	Driver Defroster Fan Motor	O_DrvDefFanMo	A47	J1:1	18.1
L199	Hvac Right Hand Cylinder Unloader	O_AcUnldRH	A52	J1:21	18.2
L1-L202	Watch Your Step Light Bulb	O_WatchstepLb	A43	J1:13	29.1
L2	No Smoking Light Bulb	O_SmokLb	A42	J1:11	11.1
L200	Hvac Left Hand Cylinder Unloader	O_AcUnldLH	A52	J1:8	
L203	Driver Recycle Trap	O_DrvRecTrap	A47	J1:2	18.1
L205	A/C Pass. Gaz Cylinder Recycle	O_ACRecPass	A54	J1:20	18.2
L207	Wheel Chair Lift Enabled	O_WCLOn	A53	J1:5	36.1
L21-L22-L23-L24-L25-L26-L27	Front Clearance Lights Bulb	O_FrClearLb	A44	J1:8	26.1
L28_to_L58	Aisle and Emergency Lamps	O_AisleLb	A49	J1:13	20.1
L59	Right Hand Hi Beam Light Bulb	O_RHHiBeamLb	A48	J1:3	26.1
L59	Right Hand Low Beam Light Bulb	O_RHLwBeamLb	A48	J1:4	26.1
L60	Left Hand Hi Beam Light Bulb	O_LHHiBmLb	A45	J1:6	26.1
L60	Left Hand Low Beam Light Bulb	O_LHLwBmLb	A45	J1:7	26.1
L61	Right Hand Front Flasher Light Bulb	O_RHFrFshLb	A48	J1:6	26.1

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L61	Right Hand Front Markers Light Bulb	O_RHFrMrkLb	A48	J1:7	26.1
L62-L65	Left Hand Front Markers Light Bulb	O_LHFrMkrLb	A45	J1:21	26.1
L62-L66	Left Hand Front Flasher Light Bulb	O_LHFrFishLb	A45	J1:3	26.1
L64	RH Front Side Flasher L-Bulb	O_RHFrSidFishLb	A48	J1:20	26.1
L67_L69	Tag Axle Warning Indicator	O_CtrSdMrkLb	A50	J1:8	26.2
L70	Water Filter Indicator Warning	O_LHCTrFishLb	A50	J1:5	26.2
L71_L75	Left Hand Rear Flasher Light Bulb	O_LHReFishLb	A51	J1:21	
L73_L76	Right Hand Rear Flasher Light Bulb	O_RHReFishLb	A51	J1:3	
L77_L78_L79_L80	Rear Tail Markers Light Bulb	O_ReTailMkLb	A51	J1:8	26.2
L77_L79		O_BrLtLowerLb	A50	J1:6	12.1
L78_L80		O_BrLtUpperLb	A51	J1:6	26.2
L81	Cyclope Brake Light	O_CyclopeLt	A51	J1:7	26.2
L84_L85_L86_L87_L88_L89_L90	Rear Clearance Light Bulb	O_ReClearLb	A50	J1:4	26.2
L91_L92_L187	Reverse Alarm and Light Bulb	O_RevLbBuz	A50	J1:3	26.3
L93_L94	Left Hand Docking Light Bulb	O_LHDockLb	A51	J1:4	26.3
L94	Right Hand Docking Light Bulb	O_RHDockLb	A51	J1:5	26.3
L95	Left Hand Fog Light Bulb	O_LHFogLb	A45	J1:4	26.3
L95	Right Hand Fog Light	O_RHFogLb	A48	J1:8	26.3
L97	Left Hand Cornering Light Bulb	O_LHCornerLb	A45	J1:5	26.3
L98	Right Hand Cornering Light Bulb	O_RHCornerLb	A48	J1:5	26.3
Mo10	Left Hand Parcel Rack Fan	O_LHPRckFan	A54	J1:1	18.2
Mo11	Right Hand Parcel Rack Fan	O_RHPRckFan	A54	J1:2	18.2
Mo12	Hvac Water Pump	O_ACWaterPmp	A54	J1:4	18.2
Mo13	Right Hand Flasher Indicator	O_FlushPmpMo	A52	J1:7	11.1
Mo14	Lavatory Fan Motor	O_LavFanMo	A52	J1:4	11.1
Mo18	Upper Wiper Washer Pump	O_UpWshPmp	A46	J1:4	34.1
Mo19-Mo20	Lower Wiper Washer Pump	O_LwWshPmp	A46	J1:3	34.1
Mo2	Engine Fan Radiator Speed 1	O_EngFanSpd1	A52	J1:1	13.1
Mo2	Engine Fan Radiator Speed 2	O_EngFanSpd2	A52	J1:2	13.1
Mo21	Upper Wiper Motor	O_UpWiperMot	A46	J1:2	34.1
Mo22	Lower Wiper Speed 1	O_LwWipSpd1	A47	J1:3	34.1
Mo22	Lower Wiper Speed 2	O_LwWipSpd2	A47	J1:4	
Mo3	Dash Trap Motor Return	O_DashTrapNMo	A44	J1:2	
Mo3	Dash Trap Motor	O_DashTrapPMo	A44	J1:1	18.1
Mo4A	Foot Trap Solenoid	O_FootTrpPSol	A45	J1:1	18.1
Mo4B	Foot Trap Solenoid	O_FootTrpNSol	A45	J1:2	
Mo5	Upper defroster Fan Motor	O_UpDefFanMo	A46	J1:7	18.1
Mo6	Upper Defrost Water Pump	O_UpDefWtrPump	A47	J1:20	18.1
R12	Evaporator Fan Speed 1 Relay	O_EvaSpd1Rel	A54	J1:7	18.2
R13	Interior Lights Indirect Relay	O_IndirLtsRel	A49	J1:12	23.1

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Device ID	Description	Name	Module ID	Module Pin#	Page
R14	Passenger Reading Light Relay	O_ReadLtsRel	A49	J1:15	
R14	Wheel Chair Lift Warning Indicator	O_RHCtrFlshLb	A50	J1:7	26.2
R16	Flasher Audible Relay	O_FlshAudiRel	A45	J1:8	26.1
R17_R18_R19	WakeUp Relay	O_WakeUp	A36	JA:15	3.3
R21	Emergency CutOut Relay	O_CutOutRel	A36	JA:24	3.2
R6	Interior Light Direct relay	O_DirLtsRel	A49	J1:11	24.1
R8	Service Brake Power Relay	I_SerBrkRlyPwr	A49	J1:21	
R9	Condensor Fan Speed 1 Relay	O_CndSpd1Rel	A54	J1:5	18.2
Se11	Low fuel Sensor	I_LoFulSe	A54	J1:10	
Se12	Water Filter Sensor	I_WtrFiltSe	A49	J1:20	
Se16	Entrance Door UnLock Sensor	I_EntDorULkSe	A47	J1:11	
Se18	Parking Brake Sensor	I_ParkBrSe	A36	JB:9	
Se19	Brake Lights Sensor	I_BrkLtSeFrSig	A36	JB:13	
Se1-Se2-Se3	Fire Sensor On A36	I_FireSensorA36	A36	JB:5	9.1
Se21	Driver Temperature sensor	I_DrvTempSe	A46	J1:13	
Se23	Ac Pressure High Side Sensor	I_AcPresHiSse	A52	J1:13	
Se24	Ac Pressure Low Side Sensor	I_AcPresLoSse	A52	J1:14	
Se25	Passenger temperature sensor	I_PassTempSe	A54	J1:13	
Se26	Kneeling Pressure Sensor	I_KneePressSe	A41	J1:18	
Se27	Kneeling Proximity Sensor	I_KneeProxSe	A41	J1:19	32.1
Se28	Luggage Door Unlock Sensor	I_LugDorULkSe	A46	J1:12	33.1
Se30_Se31	Engine Door Sensor	I_EngDoorSe	A52	J1:12	25.1
Se4-Se5-Se6-Se7-Se8-Se9	Passenger Window Open Sensor	I_WdoOpenSe	A42	J1:3	27.1
So1	Engine Ether Solenoid	O_EngEthrSol	A52	J1:6	13.1
So11	Passenger Refrigerent Solenoid	O_PasRfgSol	A54	J1:3	18.2
So13	Passenger Heat Solenoid Valve	O_PasHeatSol	A54	J1:8	18.2
So14	Rear Hi Buoy Solenoid Return	O_ReHiBoySolRtn	A41	J1:16	
So15	Kneeling Up Solenoid	O_KneeUpSol	A41	J1:15	32.1
So16	Kneeling Down Solenoid	O_KneeDwSol	A41	J1:14	32.1
So17	Park Brake Solenoid Valve	O_ParkBrSol	A42	J1:30	32.1
So17	Park Brake Solenoid Return	O_ParkBrSolNeg	A42	J1:12	
So18	Luggage Lock Solenoid	O_LugULkSol	A42	J1:16	33.1
So19	Luggage Lock Solenoid	O_LugLkSol	A42	J1:13	33.1
So2	Starter Sensor	I_StarterSe	A36	JB:16	
So20	Kneeling Control Solenoid	O_KneeCtlSol	A41	J1:11	32.1
So3-So4	Entrance Door UnLock Solenoid Valve	O_EntDorULkSo	A47	J1:8	
So5	Entrance Door Open Solenoid Valve	O_EntDorOpSol	A47	J1:7	
So6	Entrance Door Close Solenoid Valve	O_EntDorClsol	A47	J1:6	
So7	Driver refrigerent solenoid	O_DrvRfgSol	A46	J1:5	18.1
So8	Driver Heat Solenoid	O_DrvHeatSol	A46	J1:6	18.1

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So9	Hvac AC Clutch Solenoid	O_AcCluSol	A52	J1:20	
Sw1	Lower Wiper Intermitant Switch	I_LwWipIntSw	A42	J1:8	
Sw1	Lower Wiper Intermitant Switch	I_LwWipIntSwRetr	A42	J1:4	
Sw1	Lower Wiper Speed 2 Switch	I_LwWipSpd2Sw	A42	J1:18	
Sw1	Upper Wiper Switch	I_UpWipSw	A42	J1:21	
Sw1	Courtesy Blink Switch	I_BlinkSw	A43	J1:20	
Sw1	Courtesy Blink Switch	I_BlinkSwRetro	A43	J1:5	
Sw1	Head Lights High and Low Beam Switch	I_HdLtHiLowBmSw	A43	J1:8	
Sw1	Lower Wiper Washer Switch	I_LwWshSwRetro	A44	J1:9	
Sw1	Left Hand Flasher Switch	I_LHFishSw	A45	J1:9	26.1
Sw1	Lower Wiper Washer Switch	I_LwWshSw	A46	J1:9	
Sw1	Lower Wiper Speed 1 Switch	I_LwWipSPd1Sw	A47	J1:9	
Sw1	Right Hand Flasher Switch	I_RHFishSw	A48	J1:12	
Sw10	Kneeling Down Switch	I_KneeDwSw	A41	J1:7	
Sw10	Kneeling Up Switch	I_KneeUpSw	A41	J1:6	
Sw15	Engine Brake Low Switch	I_EngBrLoSw	A50	J1:10	
Sw18	Luggage Door Lock Switch	I_LugDorLkSw	A46	J1:10	
Sw18	Luggage Door Unlock Switch	I_LugDorULkSw	A46	J1:11	
Sw19_Sw52	Wheel Chair Lift Lower Door Sensor	I_WCLLoDorSe	A53	J1:12	36.1
Sw2	Head Light Switch Position Markers	I_HdLtPos1Sw	A43	J1:4	
Sw2	Hi/Low Beam Switch	I_HiBeamCallSw	A43	J1:3	
Sw2	Head Light Switch Beam Position 2 LH	I_HdLtPos2SwLH	A45	J1:12	
Sw2	Head Light Switch Beam Position 2 RH	I_HdLtPos2SwRH	A48	J1:10	26.1
Sw20	Wheel Chair Lift Dash Switch	I_WclSw	A42	J1:6	
Sw21	Upper Defrost Dash Switch	I_UpperDefFanSw	A41	J1:17	
Sw22	Radiator Fan Switch	I_EngFanSw	A36	JB:14	13.1
Sw23	Ether Switch	I_EtherSw	A42	J1:5	
Sw24	Driver Light Switch	I_DrvLtSw	A43	J1:18	19.1
Sw25	Passenger Direct Light Switch	I_DirLtsSw	A41	J1:4	
Sw25	Passenger Indirect lightning Switch	I_InDirLtsSw	A41	J1:3	
Sw26	Passenger Reading lights Switch	I_ReadLtsSw	A41	J1:10	
Sw3	Fog Lights Switch	I_FogLightSw	A43	J1:10	26.3
Sw30	Cornering Light Switch	I_CorneringLtSw	A43	J1:21	
Sw31	Docking Lights Switch	I_DockingLtSw	A43	J1:7	
Sw31	WCL Sliding door open detection	I_WCLPlungSw	A49	J1:4	
Sw33-Sw34	Entrance Door Open Switch	I_EntDorOpSw	A36	JB:15	
Sw35	Cruise Control Enable Switch	I_CruiseEnSw	A41	J1:5	14.1
Sw4	Hazard Switch	I_HazardSw	A36	JB:4	
Sw43	Low Buoy Signal From Pressure Switch	I_LwBuoySw	A36	JB:1	
Sw5	Upper Wiper Intermitant Switch	I_UpWipIntSw	A42	J1:20	

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Sw54	Lavatory Door Lock Sensor	I_LavDorLkSe	A49	J1:5	11.1
Sw55	Lavatory Emergency Switch	I_LavEmrgSw	A49	J1:6	11.1
Sw56	Lavatory Flushing Switch	I_LavFlshSw	A49	J1:2	
Sw6	Upper Washer Wiper Switch	I_UpWshSw	A42	J1:19	34.1
Sw64	Tag Axle Switch	I_TgAxlSw	A43	J1:19	32.1
Sw82	Rear Junction Box CutOut Switch	I_RrCutOutSw	A36	JB:21	
Sw83	Accessories Key switch	I_AccKeySw	A36	JB:6	
Sw83	Front Engine Start Switch	I_FrEngStaSw	A36	JB:22	
Sw83	Ignition Key switch	I_IgnKeySw	A36	JB:2	
Sw94	WCL Sliding door firts latch detection door open	I_WCLDoorLtch	A49	J1:1	
	Entrance Door Close Inside Switch	I_EntDorClInSw	A36	JB:10	
	Entrance Door Close Outside Switch	I_EntDorClOutSw	A36	JB:17	
		I_FireExt1stAl	A36	JB:23	
		I_InputTest	A36	JB:11	
	Control Head	O_CtrlHead	A36	JA:11	28.1
	Engine Run Signal	O_EngineRun	A36	JA:13	3.2
	Neutral Front Signal	O_NeutFront	A36	JA:14	
		I_BatMonMod41	A41	J1:24	6.1
		I_PRRackFanSw	A41	J1:20	
	Kneeling Proximity Power	O_KneeProxPwr	A41	J1:12	32.1
	Rear Hi Buoy Solenoid	O_ReHiBoySol	A41	J1:30	32.1
		I_BatMonMod42	A42	J1:24	6.1
	Park Brake Release Switch	I_PrkBrkRelSw	A42	J1:7	
		I_WipWshLowLvl	A42	J1:17	34.1
		I_BatMonMod43	A43	J1:24	6.1
	Front Junction Box Door Open	I_FJBLtSw	A43	J1:17	
	Tag Automatic Unload PitMan Sw	I_TagPitManSW	A43	J1:6	
		I_BatMonMod44	A44	J1:24	6.1
	Fast Idle Switch	I_FastIdleSw	A44	J1:11	
		I_FireExt2ndAlm	A44	J1:10	
	Backup Monitor Signal	O_BackUpMon	A44	J1:7	
	Dash BackLighting	O_DashBackLit	A44	J1:20	
		I_BatMonMod45	A45	J1:24	6.1
	Horn Switch	I_HornSw	A45	J1:10	
		I_BatMonMod46	A46	J1:24	6.1
	Under Floor Light Bulb	O_UdrFlrLb	A46	J1:20	25.1
		I_BatMonMod47	A47	J1:24	6.1
	Entrance Door Close Sensor	I_EntDorClSe	A47	J1:10	
		I_EntDorOpSw2	A47	J1:12	
		I_BatMonMod48	A48	J1:24	6.1

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	Entrance Door Open Sensor	I_EntDorOpSe	A48	J1:11	
		I_BatMonMod49	A49	J1:24	
	Rear Junction Light Switch	I_RJBLtSw	A49	J1:17	
	WCL Cassette installation detection	I_WCLInstalSig	A49	J1:18	
	Fast Idle	O_FastIdle	A49	J1:16	
		I_BatMonMod50	A50	J1:24	
	Rear Junction Box Temperature	I_RJBTemp	A50	J1:13	
		I_ZFNeutralSig	A50	J1:14	
	WCL Sliding Door Top Light	O_WCLSDoorLb	A50	J1:1	36.1
		I_BatMonMod51	A51	J1:24	
	Brake Lights Sensor	I_BrkLtSeRrSig	A51	J1:10	
	LH FlasherSwitch Rear Signal	I_LHFishSwRrSig	A51	J1:9	
	RH FlasherSwitch Rear Signal	I_RHFishSwRrSig	A51	J1:12	
	Cruise Control Enable to Ecm	O_CruiseEn	A51	J1:2	11.1
		I_BatMonMod52	A52	J1:24	6.1
	Engine Compartment Light Switch	I_EngCmptLtSw	A52	J1:11	
		I_BatMonMod53	A53	J1:24	6.1
	Engine Start Rear Switch	I_EngStaRrSw	A53	J1:11	
	Front Start Enable Switch	I_FrStrtEnSw	A53	J1:9	
	Rear Start Enable Switch	I_RrStrtEnSw	A53	J1:10	
	Condensor Fan Speed 2 Relay	O_CndSpd2Rel	A53	J1:8	18.2
	Evaporator Fan Speed 2	O_EvaSpd2Rel	A53	J1:21	18.2
	Parcel Rack Refrigerent Solenoid	O_PRakRfgSol	A53	J1:20	
	Starter Relay	O_StarterRel	A53	J1:6	3.2
	Starter Relay Return	O_StarterRlyRtn	A53	J1:1	
	Tag Automatic Unload Solenoid	O_TagAutUnLdSo	A53	J1:3	32.1
	WCL Upper Door Open Signal For TWU	O_WCLUpDoorSig	A53	J1:7	36.1
		O_ZFTransInh	A53	J1:2	
	Condensor Door Open Switch	I_AcDorOpSe	A54	J1:11	25.1
		I_BatMonMod54	A54	J1:24	6.1
	Luggage Door Switch	I_LuggDoorSw	A54	J1:9	25.1
	Outside Temperature Sensor	I_OutDoorTempSe	A54	J1:14	
	Output HVAC Passenger ON/OFF	O_PassOnOff	A54	J1:21	18.2