

MULTIPLEX OUTPUT LIST

O_xx... = Physical Output Pin ; I_xx... = Physical Input Pin ; D_xx... = CAN Network Signal from the HVAC control Head ; B_xx... = Multiplex system global Network Variable

Module.Pin#	Signal name		Page	Connected devices	Input involved			#
.	O_AcCluSol				B_TstModHvac	.		
A36.JA:10	O_VanscoCtrl				I_IgnKeySw	A36.JB:2	3.2	
A36.JA:13	O_EngineRun	Engine Run Signal			B_EngineRun	.		
					B_OneAltCharging	.		
					D_OnOffDrvSw	.		
					I_BatMonMod53	A53.J1:24		
					I_BatMonMod54	A54.J1:24		
					I_FrStrtEnSw	A52.J1:9		
					I_IgnKeySw	A36.JB:2	3.2	
					I_RrStrtEnSw	A52.J1:10		
A36.JA:15	O_WakeUp	WakeUp Relay	3.2		I_EntDorOpSw	A36.JB:15	29.1	
					I_FrStrtEnSw	A52.J1:9		
					I_HazardSw	A36.JB:4	26.1	
					I_IgnKeySw	A36.JB:2	3.2	
					I_NeutralSe	A50.J1:11		
					I_ParkBrSe	A36.JB:9	12.1	
					I_RrCutOutSw	A36.JB:21	38.1	
					I_RrStrtEnSw	A52.J1:10		
					I_WCLDoorLtch	A49.J1:1		
					I_WCLLoDorSe	A49.J1:6		
					I_WCLPlungSw	A49.J1:4		
					I_WCLSmallLowDor	A49.J1:17		
					I_WclSw	A42.J1:6		
					I_WebFireComp	A36.JB:14	38.1	
A36.JA:17	O_CutOutRel	Emergency CutOut Relay	3.2		I_FireExt2ndAlm	A36.JB:11		
					I_IgnKeySw	A36.JB:2	3.2	
A36.JA:24	O_DrvLtLed	Driver Light			B_BatterySaver	.		
					B_EngineRun	.		
					B_OneAltCharging	.		
					I_DrvLtSw	A41.J1:18		
A36.JA:25	O_EntLtLed	Entrance Door Light Bulb	12.1	A81.JA:5	B_BatterySaver	.		
					B_EngineRun	.		
					B_OneAltCharging	.		
					I_EntDorClSe	A47.J1:10		
A36.JA:6	O_Gong_NextStop				I_ChimeWcl	A53.J1:12		
					I_EntDorClSe	A47.J1:10		
					I_IgnKeySw	A36.JB:2	3.2	
A36.JA:7	O_Gong				I_EntDorClSe	A47.J1:10		
					I_IgnKeySw	A36.JB:2	3.2	
					I_NextStop	A42.J1:9		
A41.J1:11	O_KneeCtlSol	Kneeling Control Solenoid			I_BrakIntrlk	A45.J1:13		
					I_BrakPresDriver	A45.J1:14		
					I_EntDorClInSw	A36.JB:10		

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A41.J1:11	O_KneeCtSol	Kneeling Control Solenoid			I_EntDorCLOutSw	A36.JB:17	
					I_EntDorClSe	A47.J1:10	
					I_EntDorOpSw	A36.JB:15	29.1
					I_IgnKeySw	A36.JB:2	3.2
					I_IntDorOpSw	A41.J1:9	
					I_KneeDwSw	A41.J1:7	
					I_KneeLevelSe	A46.J1:13	
					I_KneeUpSw	A41.J1:6	
					I_MasterSwIntlk	A36.JB:16	
					I_WCLDoorLtch	A49.J1:1	
					I_WCLPlungSw	A49.J1:4	
					I_WCLSmallLowDor	A49.J1:17	
					A41.J1:12	O_Alt	Alternator
B_OneAltCharging	.						
I_A41_NormalMode	.						
I_Alt1Voltage	A49.J1:8						
I_BattChrgSig	A49.J1:19						
A41.J1:13	O_NextStopSign				I_ParkBrSe	A36.JB:9	12.1
					I_ChimeWcl	A53.J1:12	
					I_EntDorClSe	A47.J1:10	
					I_IgnKeySw	A36.JB:2	3.2
A41.J1:14	O_KneeDwSol	Kneeling Down Solenoid			I_NextStop	A42.J1:9	
					I_BrakIntrlk	A45.J1:13	
					I_BrakPresDriver	A45.J1:14	
					I_EntDorClInSw	A36.JB:10	
					I_EntDorCLOutSw	A36.JB:17	
					I_EntDorClSe	A47.J1:10	
					I_EntDorOpSw	A36.JB:15	29.1
					I_IgnKeySw	A36.JB:2	3.2
					I_IntDorOpSw	A41.J1:9	
					I_KneeDwSw	A41.J1:7	
					I_KneeLevelSe	A46.J1:13	
					I_KneeUpSw	A41.J1:6	
					I_MasterSwIntlk	A36.JB:16	
					I_NeutralSe	A50.J1:11	
					I_ParkBrSe	A36.JB:9	12.1
I_WCLDoorLtch	A49.J1:1						
I_WCLLoDorSe	A49.J1:6						
I_WCLPlungSw	A49.J1:4						
I_WCLSmallLowDor	A49.J1:17						
A41.J1:15	O_KneeUpSol	Kneeling Up Solenoid			I_WclSw	A42.J1:6	
					I_IgnKeySw	A36.JB:2	3.2
					I_KneeDwSw	A41.J1:7	

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A41.J1:15	O_KneeUpSol	Kneeling Up Solenoid			I_KneeLevelSe	A46.J1:13	
					I_KneeUpSw	A41.J1:6	
A41.J1:16	O_BrkRedCompat	Brake Redundant Compatible			I_BrkLtSeFrSig	A36.JB:13	12.1
					I_BrkLtSeRrSig	A51.J1:10	
A41.J1:30	O_StepLed				I_EntDorClSe	A47.J1:10	
A42.J1:11	O_BrakeApply				I_AuxByPassSw	A42.J1:10	
					I_BrakIntrik	A45.J1:13	
					I_BrakPresDriver	A45.J1:14	
					I_EntDorClInSw	A36.JB:10	
					I_EntDorClOutSw	A36.JB:17	
					I_EntDorClSe	A47.J1:10	
					I_EntDorOpSw	A36.JB:15	29.1
					I_IgnKeySw	A36.JB:2	3.2
					I_IntDorOpSw	A41.J1:9	
					I_KneeDwSw	A41.J1:7	
					I_KneeLevelSe	A46.J1:13	
					I_KneeUpSw	A41.J1:6	
					I_MasterSwIntlk	A36.JB:16	
					I_WCLDoorLtch	A49.J1:1	
I_WCLPlungSw	A49.J1:4						
I_WCLSmallLowDor	A49.J1:17						
A42.J1:12	O_ParkBrSolNeg	Park Brake Solenoid Return			I_IgnKeySw	A36.JB:2	3.2
A42.J1:13	O_StairFan2				B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					D_DrvFnSpdBit0	.	
					D_DrvFnSpdBit1	.	
D_DrvFnSpdBit2	.						
A42.J1:15	O_BrakeApplyNeg				I_IgnKeySw	A36.JB:2	3.2
A42.J1:16	O_CndSpd2Rel	Condensor Fan Speed 2 Relay			B_BatterySaver	.	
					B_EngineRun	.	
					B_LowVoltage	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					D_OnOffDrvSw	.	
					D_PassSetPts	.	
					I_AcPresHiSse	A52.J1:13	
I_BatMonMod53	A53.J1:24						

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A42.J1:16	O_CndSpd2Rel	Condensor Fan Speed 2 Relay			I_FireExt1stAl	A36.JB:23	38.1
					I_FireExt2ndAlm	A36.JB:11	
					I_WebFireComp	A36.JB:14	38.1
A44.J1:1	O_DashTrapPMo	Dash Trap Motor			D_AirFlapBit0	.	
					D_AirFlapBit1	.	
					D_AirFlapBit2	.	
					I_IgnKeySw	A36.JB:2	3.2
A44.J1:2	O_DashTrapNMo	Dash Trap Motor Return			D_AirFlapBit0	.	
					D_AirFlapBit1	.	
					D_AirFlapBit2	.	
					I_IgnKeySw	A36.JB:2	3.2
A44.J1:20	O_BackUpMon	Backup Monitor Signal			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
A44.J1:21	O_BrakeDisplay				B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_BrkLtSeFrSig	A36.JB:13	12.1
					I_BrkLtSeRrSig	A51.J1:10	
A44.J1:4	O_EnDoorSwLb				I_HdLtPos1Sw	A42.J1:4	
A44.J1:6	O_NextStopSign2				I_ChimeWcl	A53.J1:12	
					I_EntDorClSe	A47.J1:10	
					I_IgnKeySw	A36.JB:2	3.2
					I_NextStop	A42.J1:9	
A44.J1:7	O_DashBackLit	Dash BackLighting			I_HdLtPos1Sw	A42.J1:4	
A44.J1:8	O_FrClearLb	Front Clearance Lights Bulb			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_HdLtPos1Sw	A42.J1:4	
A45.J1:1	O_FootTrpPSol	Foot Trap Solenoid			I_HdLtPos2SwLH	A45.J1:12	
					D_AirFlapBit0	.	
A45.J1:1	O_FootTrpPSol	Foot Trap Solenoid			D_AirFlapBit1	.	
					D_AirFlapBit2	.	
					I_IgnKeySw	A36.JB:2	3.2
					D_AirFlapBit0	.	
A45.J1:2	O_FootTrpNSol	Foot Trap Solenoid			D_AirFlapBit1	.	
					D_AirFlapBit2	.	
					I_IgnKeySw	A36.JB:2	3.2
					D_AirFlapBit0	.	
A45.J1:20	O_HornElectric	Horn Electric			I_FireExt1stAl	A36.JB:23	38.1
					I_FireExt2ndAlm	A36.JB:11	

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A45.J1:20	O_HornElectric	Horn Electric		I_HornSw	A45.J1:10	
				I_IgnKeySw	A36.JB:2	3.2
				I_WebFireComp	A36.JB:14	38.1
A45.J1:21	O_LHFrMkrLb	Left Hand Front Markers Light Bulb		B_BatterySaver	.	
				B_EngineRun	.	
				B_OneAltCharging	.	
				B_TstModExtLight	.	
				I_HdLtPos1Sw	A42.J1:4	
				I_HdLtPos2SwLH	A45.J1:12	
A45.J1:3	O_LHFrFlshLb	Left Hand Front Flasher Light Bulb		B_BatterySaver	.	
				B_EngineRun	.	
				B_OneAltCharging	.	
				B_TstModExtLight	.	
				I_HazardSw	A36.JB:4	26.1
				I_LHFlshSwRrSig	A51.J1:9	
				I_NeutralSe	A50.J1:11	
				I_RHFlshSwRrSig	A51.J1:12	
				I_WCLDoorLtch	A49.J1:1	
				I_WCLLoDorSe	A49.J1:6	
				I_WCLPlungSw	A49.J1:4	
				I_WCLSmallLowDor	A49.J1:17	
I_WclSw	A42.J1:6					
A45.J1:6	O_LHHiBmLb	Left Hand Hi Beam Light Bulb		B_BatterySaver	.	
				B_EngineRun	.	
				B_OneAltCharging	.	
				B_TstModExtLight	.	
				I_HdLthiLowBmSw	A42.J1:8	
I_HdLtPos2SwLH	A45.J1:12					
A45.J1:7	O_LHLwBmLb	Left Hand Low Beam Light Bulb		B_BatterySaver	.	
				B_EngineRun	.	
				B_OneAltCharging	.	
				B_TstModExtLight	.	
				I_HdLtPos2SwLH	A45.J1:12	
A45.J1:8	O_LHFrSidFlshLb			B_BatterySaver	.	
				B_EngineRun	.	
				B_OneAltCharging	.	
				B_TstModExtLight	.	
				I_HazardSw	A36.JB:4	26.1
				I_LHFlshSwRrSig	A51.J1:9	
				I_NeutralSe	A50.J1:11	
				I_RHFlshSwRrSig	A51.J1:12	
				I_WCLDoorLtch	A49.J1:1	
I_WCLLoDorSe	A49.J1:6					

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A45.J1:8	O_LHFrSidFlshLb				I_WCLPlungSw	A49.J1:4	
					I_WCLSmallLowDor	A49.J1:17	
					I_WclSw	A42.J1:6	
A46.J1:1	O_UpDefHeater1	Upper Defroster Heater #1			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					D_OnOffDrvSw	.	
					I_FireExt1stAl	A36.JB:23	38.1
A46.J1:2	O_UpDefHeater2	Upper Defroster Heater #2			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					D_OnOffDrvSw	.	
					I_FireExt1stAl	A36.JB:23	38.1
A46.J1:21	O_WclDoorLight1				B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_NeutralSe	A50.J1:11	
					I_WCLLoDorSe	A49.J1:6	
					I_WCLSmallLowDor	A49.J1:17	
					I_WclSw	A42.J1:6	
A46.J1:3	O_LwWshPmp	Lower Wiper Washer Pump			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					I_LwWshSwRetro	A46.J1:9	
A46.J1:4	O_StairFan				B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					D_DrvFnSpdBit0	.	
					D_DrvFnSpdBit1	.	
					D_DrvFnSpdBit2	.	
					D_OnOffDrvSw	.	
					I_FireExt1stAl	A36.JB:23	38.1
A46.J1:5	O_DrvRfgSol	Driver refrigerent solenoid			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	

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A46.J1:5	O_DrvRfgSol	Driver refrigerent solenoid			B_TstModHvac	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					D_OnOffDrvSw	.	
					I_AcPresHiSse	A52.J1:13	
					I_AcPresLoSse	A52.J1:14	
A46.J1:6	O_DrvHeatSol	Driver Heat Solenoid			I_FireExt1stAl	A36.JB:23	38.1
					B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_AirFlapBit0	.	
					D_AirFlapBit1	.	
					D_AirFlapBit2	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					D_DriverSetPts	.	
					D_DrvFnSpdBit0	.	
					D_DrvFnSpdBit1	.	
					D_DrvFnSpdBit2	.	
					D_OnOffDrvSw	.	
I_BatMonMod46	A46.J1:24						
I_BatMonMod54	A54.J1:24						
I_DrvTempSe	A41.J1:1						
I_FireExt1stAl	A36.JB:23	38.1					
I_FireExt2ndAlm	A36.JB:11						
I_WebFireComp	A36.JB:14	38.1					
A46.J1:7	O_IVN_WCL				I_NeutralSe	A50.J1:11	
					I_ParkBrSe	A36.JB:9	12.1
					I_WCLSmallLowDor	A49.J1:17	
					I_WclSw	A42.J1:6	
A47.J1:1	O_DrvDefFanMo	Driver Defroster Fan Motor			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					D_DrvFnSpdBit0	.	
					D_DrvFnSpdBit1	.	
					D_DrvFnSpdBit2	.	
					D_OnOffDrvSw	.	
					I_BatMonMod47	A47.J1:24	
I_FireExt1stAl	A36.JB:23	38.1					
A47.J1:2	O_DrvRecTrap	Driver Recycle Trap			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	

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A47.J1:2	O_DrvRecTrap	Driver Recycle Trap		B_TstModHvac	.	
				D_RecSw	.	
				I_BrakIntrk	A45.J1:13	
				I_BrakPresDriver	A45.J1:14	
				I_EntDorCInSw	A36.JB:10	
				I_EntDorCOutSw	A36.JB:17	
				I_EntDorCISE	A47.J1:10	
				I_EntDorOpSw	A36.JB:15	29.1
				I_IntDorOpSw	A41.J1:9	
				I_KneeDwSw	A41.J1:7	
				I_KneeLevelSe	A46.J1:13	
				I_KneeUpSw	A41.J1:6	
				I_MasterSwIntlk	A36.JB:16	
				I_WCLDoorLtch	A49.J1:1	
A47.J1:21	O_UdrFlrLb	Under Floor Light Bulb		B_BatterySaver	.	
				B_EngineRun	.	
				B_LowVoltage	.	
				B_OneAltCharging	.	
A47.J1:3	O_LwWipSpd1	Lower Wiper Speed 1		B_BatterySaver	.	
				B_EngineRun	.	
				B_OneAltCharging	.	
A47.J1:5	O_EntDorStpLb	Entrance Door Step Light Bulb		I_EntDorCISE	A47.J1:10	
A47.J1:6	O_EntDorClSol	Entrance Door Close Solenoid Valve		I_BrakIntrk	A45.J1:13	
				I_BrakPresDriver	A45.J1:14	
				I_EntDorCInSw	A36.JB:10	
				I_EntDorCOutSw	A36.JB:17	
				I_EntDorCISE	A47.J1:10	
				I_EntDorOpSw	A36.JB:15	29.1
				I_IgnKeySw	A36.JB:2	3.2
				I_IntDorOpSw	A41.J1:9	
				I_KneeDwSw	A41.J1:7	
				I_KneeLevelSe	A46.J1:13	
				I_KneeUpSw	A41.J1:6	
				I_MasterSwIntlk	A36.JB:16	
				I_WCLDoorLtch	A49.J1:1	
A47.J1:7	O_EntDorOpSol	Entrance Door Open Solenoid Valve		I_BrakIntrk	A45.J1:13	
				I_BrakPresDriver	A45.J1:14	
				I_EntDorCInSw	A36.JB:10	

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A47.J1:7	O_EntDorOpSol	Entrance Door Open Solenoid Valve			I_EntDorClOutSw	A36.JB:17	
					I_EntDorClSe	A47.J1:10	
					I_EntDorOpSw	A36.JB:15	29.1
					I_IgnKeySw	A36.JB:2	3.2
					I_IntDorOpSw	A41.J1:9	
					I_KneeDwSw	A41.J1:7	
					I_KneeLevelSe	A46.J1:13	
					I_KneeUpSw	A41.J1:6	
					I_MasterSwIntlk	A36.JB:16	
					I_WCLDoorLtch	A49.J1:1	
					I_WCLPlungSw	A49.J1:4	
					I_WCLSmallLowDor	A49.J1:17	
A47.J1:8	O_EntDorULkSo	Entrance Door UnLock Solenoid Valve			I_BrakIntrk	A45.J1:13	
					I_BrakPresDriver	A45.J1:14	
					I_EntDorClInSw	A36.JB:10	
					I_EntDorClOutSw	A36.JB:17	
					I_EntDorClSe	A47.J1:10	
					I_EntDorOpSw	A36.JB:15	29.1
					I_IgnKeySw	A36.JB:2	3.2
					I_IntDorOpSw	A41.J1:9	
					I_KneeDwSw	A41.J1:7	
					I_KneeLevelSe	A46.J1:13	
					I_KneeUpSw	A41.J1:6	
					I_MasterSwIntlk	A36.JB:16	
					I_WCLDoorLtch	A49.J1:1	
					I_WCLPlungSw	A49.J1:4	
I_WCLSmallLowDor	A49.J1:17						
A48.J1:1	O_WdowDrvDwMo	Window driver up motor			I_IgnKeySw	A36.JB:2	3.2
					I_WdowDrvDwSw	A41.J1:21	
					I_WdowDrvUpSw	A41.J1:19	
A48.J1:2	O_WdowDrvUpMo	Window driver up motor			I_IgnKeySw	A36.JB:2	3.2
					I_WdowDrvDwSw	A41.J1:21	
					I_WdowDrvUpSw	A41.J1:19	
A48.J1:20	O_RHFrSidFlshLb	RH Front Side Flasher L-Bulb			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_BrakIntrk	A45.J1:13	
					I_BrakPresDriver	A45.J1:14	
					I_EntDorClInSw	A36.JB:10	
					I_EntDorClOutSw	A36.JB:17	
					I_EntDorClSe	A47.J1:10	
I_EntDorOpSw	A36.JB:15	29.1					

MULTIPLEX OUTPUT LIST

O_xx... = Physical Output Pin ; I_xx... = Physical Input Pin ; D_xx... = CAN Network Signal from the HVAC control Head ; B_xx... = Multiplex system global Network Variable

Module.Pin#	Signal name		Page	Connected devices	Input involved		
A48.J1:20	O_RHFrSidFlshLb	RH Front Side Flasher L-Bulb			I_HazardSw	A36.JB:4	26.1
					I_IntDorOpSw	A41.J1:9	
					I_KneeDwSw	A41.J1:7	
					I_KneeLevelSe	A46.J1:13	
					I_KneeUpSw	A41.J1:6	
					I_LHFlshSwRrSig	A51.J1:9	
					I_MasterSwIntlk	A36.JB:16	
					I_NeutralSe	A50.J1:11	
					I_RHFlshSwRrSig	A51.J1:12	
					I_WCLDoorLtch	A49.J1:1	
					I_WCLLoDorSe	A49.J1:6	
					I_WCLPlungSw	A49.J1:4	
					I_WCLSmallLowDor	A49.J1:17	
					I_WclSw	A42.J1:6	
A48.J1:21	O_RetarderOff				B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_RetarderSel	A41.J1:3	
A48.J1:3	O_RHHiBeamLb	Right Hand Hi Beam Light Bulb			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_HdLtHiLowBmSw	A42.J1:8	
					I_HdLtPos2SwLH	A45.J1:12	
A48.J1:4	O_RHLwBeamLb	Right Hand Low Beam Light Bulb			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_HdLtPos2SwRH	A48.J1:10	
A48.J1:6	O_RHFrfFlshLb	Right Hand Front Flasher Light Bulb			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_HazardSw	A36.JB:4	26.1
					I_LHFlshSwRrSig	A51.J1:9	
					I_NeutralSe	A50.J1:11	
					I_RHFlshSwRrSig	A51.J1:12	
					I_WCLDoorLtch	A49.J1:1	
					I_WCLLoDorSe	A49.J1:6	
					I_WCLPlungSw	A49.J1:4	
					I_WCLSmallLowDor	A49.J1:17	
					I_WclSw	A42.J1:6	

MULTIPLEX OUTPUT LIST

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Module.Pin#	Signal name		Page	Connected devices	Input involved		
A48.J1:7	O_RHFrMrkLb	Right Hand Front Markers Light Bulb			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_HdLtPos1Sw	A42.J1:4	
					I_HdLtPos2SwLH	A45.J1:12	
A49.J1:11	O_WCLOn	Wheel Chair Lift Enabled			I_NeutralSe	A50.J1:11	
					I_ParkBrSe	A36.JB:9	12.1
					I_WCLLoDorSe	A49.J1:6	
					I_WCLSmallLowDor	A49.J1:17	
					I_WclSw	A42.J1:6	
A49.J1:12	O_WCLUpDoorSig	WCL Upper Door Open Signal For TWU			I_ParkBrSe	A36.JB:9	12.1
					I_WCLDoorLtch	A49.J1:1	
					I_WCLPlungSw	A49.J1:4	
A49.J1:13	O_WCLLatchSol	Wcl pneumatic latch solenoid			I_IgnKeySw	A36.JB:2	3.2
					I_WCLFirstLatch	A49.J1:7	
					I_WCLPlungSw	A49.J1:4	
A49.J1:14	O_RetardEna	Retarder Enable			I_IgnKeySw	A36.JB:2	3.2
					I_RetarderSel	A41.J1:3	
A49.J1:15	O_AltChrCtr	Alternator Charge Control			B_EngineRun	.	
					B_OneAltCharging	.	
					I_A49_NormalMode	.	
					I_IgnKeySw	A36.JB:2	3.2
A49.J1:16	O_Alt2ChrCtr				B_EngineRun	.	
					B_OneAltCharging	.	
					I_A49_NormalMode	.	
					I_IgnKeySw	A36.JB:2	3.2
A49.J1:30	O_TagAxlValve	Tag Axle Valve			I_IgnKeySw	A36.JB:2	3.2
					I_TagPitManSW	A42.J1:5	
					I_TgAxlSw	A42.J1:19	
A50.J1:1	O_WCLSDoorLb				I_ParkBrSe	A36.JB:9	12.1
					I_WCLDoorLtch	A49.J1:1	
					I_WCLPlungSw	A49.J1:4	
A50.J1:2	O_TransInhibit	Transmission Inhibit			I_BrkLtSeFrSig	A36.JB:13	12.1
					I_BrkLtSeRrSig	A51.J1:10	
					I_NeutralSe	A50.J1:11	
					I_ParkBrSe	A36.JB:9	12.1
					I_WCLDoorLtch	A49.J1:1	
					I_WCLLoDorSe	A49.J1:6	
					I_WCLPlungSw	A49.J1:4	
					I_WCLSmallLowDor	A49.J1:17	
					I_WclSw	A42.J1:6	
A50.J1:20	O_BackUpLt				B_BatterySaver	.	

MULTIPLEX OUTPUT LIST

O_xx... = Physical Output Pin ; I_xx... = Physical Input Pin ; D_xx... = CAN Network Signal from the HVAC control Head ; B_xx... = Multiplex system global Network Variable

Module.Pin#	Signal name		Page	Connected devices	Input involved		
A50.J1:20	O_BackUpLt				B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
A50.J1:21	O_BrLtUpperLb				B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_BrKtSeFrSig	A36.JB:13	12.1
					I_BrKtSeRrSig	A51.J1:10	
A50.J1:3	O_RevAlarm	Back up alarm			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TestSwBuz2	.	
					B_TestSwBuzzer	.	
					B_TstModExtLight	.	
					B_TstModHvac	.	
					B_TstModHvacNext	.	
					B_TstSwBuz3	.	
					D_NextWheel	.	
					I_BackUpAlCancel	A41.J1:4	
A50.J1:4	O_ReClearLb	Rear Clearance Light Bulb			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_HdLtPos1Sw	A42.J1:4	
					I_HdLtPos2SwLH	A45.J1:12	
A50.J1:5	O_LHctrFlshLb	Water Filter Indicator Warning			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_HazardSw	A36.JB:4	26.1
					I_LHFlshSwRrSig	A51.J1:9	
					I_NeutralSe	A50.J1:11	
					I_RHFlshSwRrSig	A51.J1:12	
					I_WCLDoorLtch	A49.J1:1	
					I_WCLLoDorSe	A49.J1:6	
					I_WCLPlungSw	A49.J1:4	
					I_WCLSmallLowDor	A49.J1:17	
					I_WclSw	A42.J1:6	
A50.J1:6	O_BrLTLowerLed				B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	

MULTIPLEX OUTPUT LIST

O_xx... = Physical Output Pin ; I_xx... = Physical Input Pin ; D_xx... = CAN Network Signal from the HVAC control Head ; B_xx... = Multiplex system global Network Variable

Module.Pin#	Signal name		Page	Connected devices	Input involved		
A50.J1:6	O_BrLTLowerLed				I_BrkLtSeFrSig	A36.JB:13	12.1
					I_BrkLtSeRrSig	A51.J1:10	
					I_HdLtPos1Sw	A42.J1:4	
					I_HdLtPos2SwLH	A45.J1:12	
					I_RetdrSig	A50.J1:12	
A50.J1:7	O_RHctrFlshLb	Wheel Chair Lift Warning Indicator			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_HazardSw	A36.JB:4	26.1
					I_LHFflshSwRrSig	A51.J1:9	
					I_NeutralSe	A50.J1:11	
					I_RHFflshSwRrSig	A51.J1:12	
					I_WCLDoorLtch	A49.J1:1	
					I_WCLLoDorSe	A49.J1:6	
					I_WCLPlungSw	A49.J1:4	
					I_WCLSmallLowDor	A49.J1:17	
I_WclSw	A42.J1:6						
A50.J1:8	O_CtrSdMrkLb	Tag Axle Warning Indicator			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_HdLtPos1Sw	A42.J1:4	
I_HdLtPos2SwLH	A45.J1:12						
A51.J1:1	O_SerBrkTrans	Servise Brake Signal For Transmission			I_BrkLtSeFrSig	A36.JB:13	12.1
A51.J1:2	O_CompDrFanCtr				B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_AmbTempLSB	.	
D_AmbTempMSB	.						
I_FireExt2ndAlm	A36.JB:11						
A51.J1:21	O_LHReFlshLb	Left Hand Rear Flasher Light Bulb			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_HazardSw	A36.JB:4	26.1
					I_LHFflshSwRrSig	A51.J1:9	
					I_NeutralSe	A50.J1:11	
					I_RHFflshSwRrSig	A51.J1:12	
I_WCLDoorLtch	A49.J1:1						
I_WCLLoDorSe	A49.J1:6						
I_WCLPlungSw	A49.J1:4						

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Module.Pin#	Signal name		Page	Connected devices	Input involved		
A51.J1:21	O_LHReFlshLb	Left Hand Rear Flasher Light Bulb			I_WCLSmallLowDor	A49.J1:17	
					I_WclSw	A42.J1:6	
A51.J1:3	O_RHReFlshLb	Right Hand Rear Flasher Light Bulb			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_HazardSw	A36.JB:4	26.1
					I_LHFlshSwRrSig	A51.J1:9	
					I_NeutralSe	A50.J1:11	
					I_RHFlshSwRrSig	A51.J1:12	
					I_WCLDoorLtch	A49.J1:1	
					I_WCLLoDorSe	A49.J1:6	
					I_WCLPlungSw	A49.J1:4	
					I_WCLSmallLowDor	A49.J1:17	
					I_WclSw	A42.J1:6	
A51.J1:5	O_CompDrFanPwr				B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					I_EngDoorSe	A49.J1:10	
					I_FireExt2ndAlm	A36.JB:11	
I_IgnKeySw	A36.JB:2	3.2					
A51.J1:6	O_BrLTUpperLed				B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_BrkLtSeFrSig	A36.JB:13	12.1
					I_BrkLtSeRrSig	A51.J1:10	
					I_HdLtPos1Sw	A42.J1:4	
A51.J1:7	O_CyclopeLt	Cyclope Brake Light			I_HdLtPos2SwLH	A45.J1:12	
					B_BatterySaver	.	
A51.J1:8	O_ReTailMkLb	Rear Tail Markers Light Bulb			B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
					I_BrkLtSeFrSig	A36.JB:13	12.1
					I_BrkLtSeRrSig	A51.J1:10	
A51.J1:8	O_ReTailMkLb	Rear Tail Markers Light Bulb			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModExtLight	.	
A51.J1:8	O_ReTailMkLb	Rear Tail Markers Light Bulb			I_HdLtPos1Sw	A42.J1:4	

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Module.Pin#	Signal name	Page	Connected devices	Input involved
A51.J1:8	O_ReTailMkLb		Rear Tail Markers Light Bulb	I_HdLtPos2SwLH A45.J1:12
A52.J1:1	O_EngFanSpd1		Engine Fan Radiator Speed 1	B_BatterySaver . B_EngineRun . B_OneAltCharging . B_TstModHvac . D_RadFanSpd1 . D_StopTestMode . I_AcPresHISse A52.J1:13 I_FireExt1stAl A36.JB:23 38.1 I_FireExt2ndAlm A36.JB:11 I_FrStrtEnSw A52.J1:9 I_IgnKeySw A36.JB:2 3.2 I_RrStrtEnSw A52.J1:10 I_WebFireComp A36.JB:14 38.1
A52.J1:2	O_EngFanSpd2		Engine Fan Radiator Speed 2	B_BatterySaver . B_EngineRun . B_OneAltCharging . B_TstModHvac . D_RadFanSpd2 . D_StopTestMode . I_AcPresHISse A52.J1:13 I_FireExt1stAl A36.JB:23 38.1 I_FireExt2ndAlm A36.JB:11 I_IgnKeySw A36.JB:2 3.2 I_WebFireComp A36.JB:14 38.1
A52.J1:21	O_AcUnldrH		Hvac Right Hand Cylinder Unloader	B_BatterySaver . B_EngineRun . B_OneAltCharging . B_TstModHvac . D_AmbTempLSB . D_AmbTempMSB . D_PassSetPts . I_AcPresHISse A52.J1:13 I_AcPresLoSse A52.J1:14
A52.J1:3	O_OilSeparator			B_BatterySaver . B_EngineRun . B_OneAltCharging . B_TstModExtLight . B_TstModHvac . I_BrkLtSeFrSig A36.JB:13 12.1 I_BrkLtSeRrSig A51.J1:10 I_RetdrSig A50.J1:12
A52.J1:4	O_LavFanMo		Lavatory Fan Motor	B_EngineRun .

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Module.Pin#	Signal name		Page	Connected devices	Input involved		
A52.J1:4	O_LavFanMo	Lavatory Fan Motor			B_OneAltCharging	.	
					I_BatMonMod52	A52.J1:24	
A52.J1:6	O_StarterRel	Starter Relay			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					I_FrStrtEnSw	A52.J1:9	
					I_NeutralSe	A50.J1:11	
					I_ParkBrSe	A36.JB:9	12.1
					I_RrStrtEnSw	A52.J1:10	
A52.J1:7	O_FanRJB	Fan RJB			B_EngineRun	.	
					B_OneAltCharging	.	
A52.J1:8	O_PRaKrfgSol	Parcel Rack Refrigerent Solenoid			B_BatterySaver	.	
					B_EngineRun	.	
					B_LowVoltage	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_OnOffDrvSw	.	
					I_FireExt1stAl	A36.JB:23	38.1
					I_FireExt2ndAlm	A36.JB:11	
					I_PRaKfanSw	A41.J1:20	
					I_WebFireComp	A36.JB:14	38.1
A53.J1:2	O_DirLed	Direct Led			B_BatterySaver	.	
					B_EngineRun	.	
					B_LowVoltage	.	
					B_OneAltCharging	.	
A53.J1:21	O_EmergencyLt	Emergency Lights			B_BatterySaver	.	
					B_EngineRun	.	
					B_LowVoltage	.	
					B_OneAltCharging	.	
					I_HdLtPos1Sw	A42.J1:4	
A53.J1:3	O_IndirLed	Indirect Led			B_BatterySaver	.	
					B_EngineRun	.	
					B_LowVoltage	.	
					B_OneAltCharging	.	
A53.J1:5	O_ReadLtsRel	Passenger Reading Light Relay			B_BatterySaver	.	
					B_EngineRun	.	
					B_LowVoltage	.	
					B_OneAltCharging	.	
					I_ReadLtsSw	A41.J1:10	
A54.J1:2	O_EvaSpd2Pilot	Evaporator Fan Speed 2			B_BatterySaver	.	
					B_EngineRun	.	
					B_LowVoltage	.	

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Module.Pin#	Signal name	Page	Connected devices	Input involved																																																									
A54.J1:2	O_EvaSpd2Pilot		Evaporator Fan Speed 2	<table border="1"> <tr><td>B_OneAltCharging</td><td>.</td><td></td></tr> <tr><td>B_TstModHvac</td><td>.</td><td></td></tr> <tr><td>D_AmbTempLSB</td><td>.</td><td></td></tr> <tr><td>D_AmbTempMSB</td><td>.</td><td></td></tr> <tr><td>D_OnOffDrvSw</td><td>.</td><td></td></tr> <tr><td>D_PassSetPts</td><td>.</td><td></td></tr> <tr><td>I_Alt1Voltage</td><td>A49.J1:8</td><td></td></tr> <tr><td>I_BatMonMod54</td><td>A54.J1:24</td><td></td></tr> <tr><td>I_FireExt1stAl</td><td>A36.JB:23</td><td>38.1</td></tr> <tr><td>I_FireExt2ndAlm</td><td>A36.JB:11</td><td></td></tr> <tr><td>I_WebFireComp</td><td>A36.JB:14</td><td>38.1</td></tr> </table>	B_OneAltCharging	.		B_TstModHvac	.		D_AmbTempLSB	.		D_AmbTempMSB	.		D_OnOffDrvSw	.		D_PassSetPts	.		I_Alt1Voltage	A49.J1:8		I_BatMonMod54	A54.J1:24		I_FireExt1stAl	A36.JB:23	38.1	I_FireExt2ndAlm	A36.JB:11		I_WebFireComp	A36.JB:14	38.1																								
B_OneAltCharging	.																																																												
B_TstModHvac	.																																																												
D_AmbTempLSB	.																																																												
D_AmbTempMSB	.																																																												
D_OnOffDrvSw	.																																																												
D_PassSetPts	.																																																												
I_Alt1Voltage	A49.J1:8																																																												
I_BatMonMod54	A54.J1:24																																																												
I_FireExt1stAl	A36.JB:23	38.1																																																											
I_FireExt2ndAlm	A36.JB:11																																																												
I_WebFireComp	A36.JB:14	38.1																																																											
A54.J1:20	O_ACRecPass		A/C Pass. Gaz Cylinder Recycle	<table border="1"> <tr><td>B_BatterySaver</td><td>.</td><td></td></tr> <tr><td>B_EngineRun</td><td>.</td><td></td></tr> <tr><td>B_OneAltCharging</td><td>.</td><td></td></tr> <tr><td>B_TstModHvac</td><td>.</td><td></td></tr> <tr><td>D_RecSw</td><td>.</td><td></td></tr> <tr><td>I_BrakIntrk</td><td>A45.J1:13</td><td></td></tr> <tr><td>I_BrakPresDriver</td><td>A45.J1:14</td><td></td></tr> <tr><td>I_EntDorClInSw</td><td>A36.JB:10</td><td></td></tr> <tr><td>I_EntDorClOutSw</td><td>A36.JB:17</td><td></td></tr> <tr><td>I_EntDorClSe</td><td>A47.J1:10</td><td></td></tr> <tr><td>I_EntDorOpSw</td><td>A36.JB:15</td><td>29.1</td></tr> <tr><td>I_IntDorOpSw</td><td>A41.J1:9</td><td></td></tr> <tr><td>I_KneeDwSw</td><td>A41.J1:7</td><td></td></tr> <tr><td>I_KneeLevelSe</td><td>A46.J1:13</td><td></td></tr> <tr><td>I_KneeUpSw</td><td>A41.J1:6</td><td></td></tr> <tr><td>I_MasterSwIntlk</td><td>A36.JB:16</td><td></td></tr> <tr><td>I_WCLDoorLtch</td><td>A49.J1:1</td><td></td></tr> <tr><td>I_WCLPlungSw</td><td>A49.J1:4</td><td></td></tr> <tr><td>I_WCLSmallLowDor</td><td>A49.J1:17</td><td></td></tr> </table>	B_BatterySaver	.		B_EngineRun	.		B_OneAltCharging	.		B_TstModHvac	.		D_RecSw	.		I_BrakIntrk	A45.J1:13		I_BrakPresDriver	A45.J1:14		I_EntDorClInSw	A36.JB:10		I_EntDorClOutSw	A36.JB:17		I_EntDorClSe	A47.J1:10		I_EntDorOpSw	A36.JB:15	29.1	I_IntDorOpSw	A41.J1:9		I_KneeDwSw	A41.J1:7		I_KneeLevelSe	A46.J1:13		I_KneeUpSw	A41.J1:6		I_MasterSwIntlk	A36.JB:16		I_WCLDoorLtch	A49.J1:1		I_WCLPlungSw	A49.J1:4		I_WCLSmallLowDor	A49.J1:17	
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A54.J1:21	O_PassOnOff		Output HVAC Passenger ON/OFF	<table border="1"> <tr><td>B_BatterySaver</td><td>.</td><td></td></tr> <tr><td>B_EngineRun</td><td>.</td><td></td></tr> <tr><td>B_OneAltCharging</td><td>.</td><td></td></tr> <tr><td>B_TstModHvac</td><td>.</td><td></td></tr> <tr><td>I_BatMonMod54</td><td>A54.J1:24</td><td></td></tr> </table>	B_BatterySaver	.		B_EngineRun	.		B_OneAltCharging	.		B_TstModHvac	.		I_BatMonMod54	A54.J1:24																																											
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I_BatMonMod54	A54.J1:24																																																												
A54.J1:3	O_PasRfgSol		Passenger Refrigerent Solenoid	<table border="1"> <tr><td>B_BatterySaver</td><td>.</td><td></td></tr> <tr><td>B_EngineRun</td><td>.</td><td></td></tr> <tr><td>B_LowVoltage</td><td>.</td><td></td></tr> <tr><td>B_OneAltCharging</td><td>.</td><td></td></tr> <tr><td>B_TstModHvac</td><td>.</td><td></td></tr> <tr><td>D_AmbTempLSB</td><td>.</td><td></td></tr> <tr><td>D_AmbTempMSB</td><td>.</td><td></td></tr> <tr><td>D_OnOffDrvSw</td><td>.</td><td></td></tr> </table>	B_BatterySaver	.		B_EngineRun	.		B_LowVoltage	.		B_OneAltCharging	.		B_TstModHvac	.		D_AmbTempLSB	.		D_AmbTempMSB	.		D_OnOffDrvSw	.																																		
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MULTIPLEX OUTPUT LIST

O_xx... = Physical Output Pin ; I_xx... = Physical Input Pin ; D_xx... = CAN Network Signal from the HVAC control Head ; B_xx... = Multiplex system global Network Variable

Module.Pin#	Signal name		Page	Connected devices	Input involved		
A54.J1:3	O_PasRfgSol	Passenger Refrigerent Solenoid			D_PassSetPts		
					I_BatMonMod54	A54.J1:24	
					I_FireExt1stAl	A36.JB:23	38.1
					I_FireExt2ndAlm	A36.JB:11	
					I_WebFireComp	A36.JB:14	38.1
A54.J1:4	O_ACWaterPmp	Hvac Water Pump			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					D_DrvFnSpdBit0	.	
					D_DrvFnSpdBit1	.	
					D_DrvFnSpdBit2	.	
					D_HvacPump	.	
					D_OnOffDrvSw	.	
					D_StopTestMode	.	
					I_BatMonMod54	A54.J1:24	
					I_FireExt1stAl	A36.JB:23	38.1
					I_FireExt2ndAlm	A36.JB:11	
					I_IgnKeySw	A36.JB:2	3.2
					I_WebFireComp	A36.JB:14	38.1
A54.J1:5	O_CndSpd1Rel	Condensor Fan Speed 1 Relay			B_BatterySaver	.	
					B_EngineRun	.	
					B_LowVoltage	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					D_OnOffDrvSw	.	
					D_PassSetPts	.	
					I_AcPresHiSse	A52.J1:13	
					I_BatMonMod54	A54.J1:24	
					I_FireExt1stAl	A36.JB:23	38.1
					I_FireExt2ndAlm	A36.JB:11	
					I_WebFireComp	A36.JB:14	38.1
A54.J1:6	O_P RackSpd1	Parcel rack speed 1			B_BatterySaver	.	
					B_EngineRun	.	
					B_LowVoltage	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					I_P RackFanSw	A41.J1:20	
A54.J1:7	O_EvaSpd1Rel	Evaporator Fan Speed 1 Relay			B_BatterySaver	.	

MULTIPLEX OUTPUT LIST

O_xx... = Physical Output Pin ; I_xx... = Physical Input Pin ; D_xx... = CAN Network Signal from the HVAC control Head ; B_xx.. = Multiplex system global Network Variable

Module.Pin#	Signal name		Page	Connected devices	Input involved		
A54.J1:7	O_EvaSpd1Rel	Evaporator Fan Speed 1 Relay			B_EngineRun	.	
					B_LowVoltage	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_OnOffDrvSw	.	
					I_BatMonMod54	A54.J1:24	
					I_FireExt1stAl	A36.JB:23	38.1
					I_FireExt2ndAlm	A36.JB:11	
					I_WebFireComp	A36.JB:14	38.1
A54.J1:8	O_PasHeatSol	Passenger Heat Solenoid Valve			B_BatterySaver	.	
					B_EngineRun	.	
					B_OneAltCharging	.	
					B_TstModHvac	.	
					D_AmbTempLSB	.	
					D_AmbTempMSB	.	
					D_DrvFnSpdBit0	.	
					D_DrvFnSpdBit1	.	
					D_DrvFnSpdBit2	.	
					D_OnOffDrvSw	.	
					D_PassSetPts	.	
					I_BatMonMod54	A54.J1:24	
					I_FireExt1stAl	A36.JB:23	38.1
					I_FireExt2ndAlm	A36.JB:11	
					I_WebFireComp	A36.JB:14	38.1