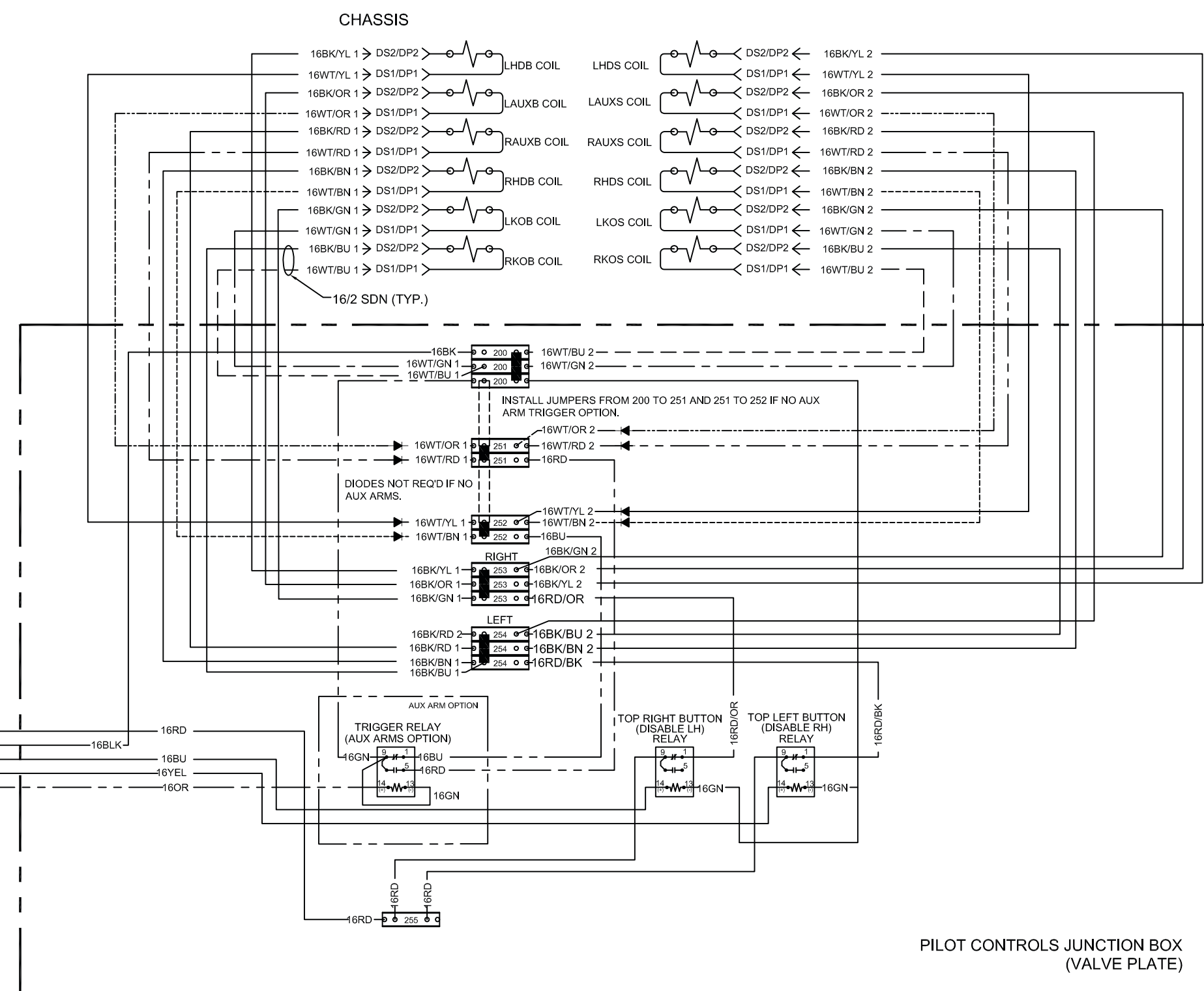
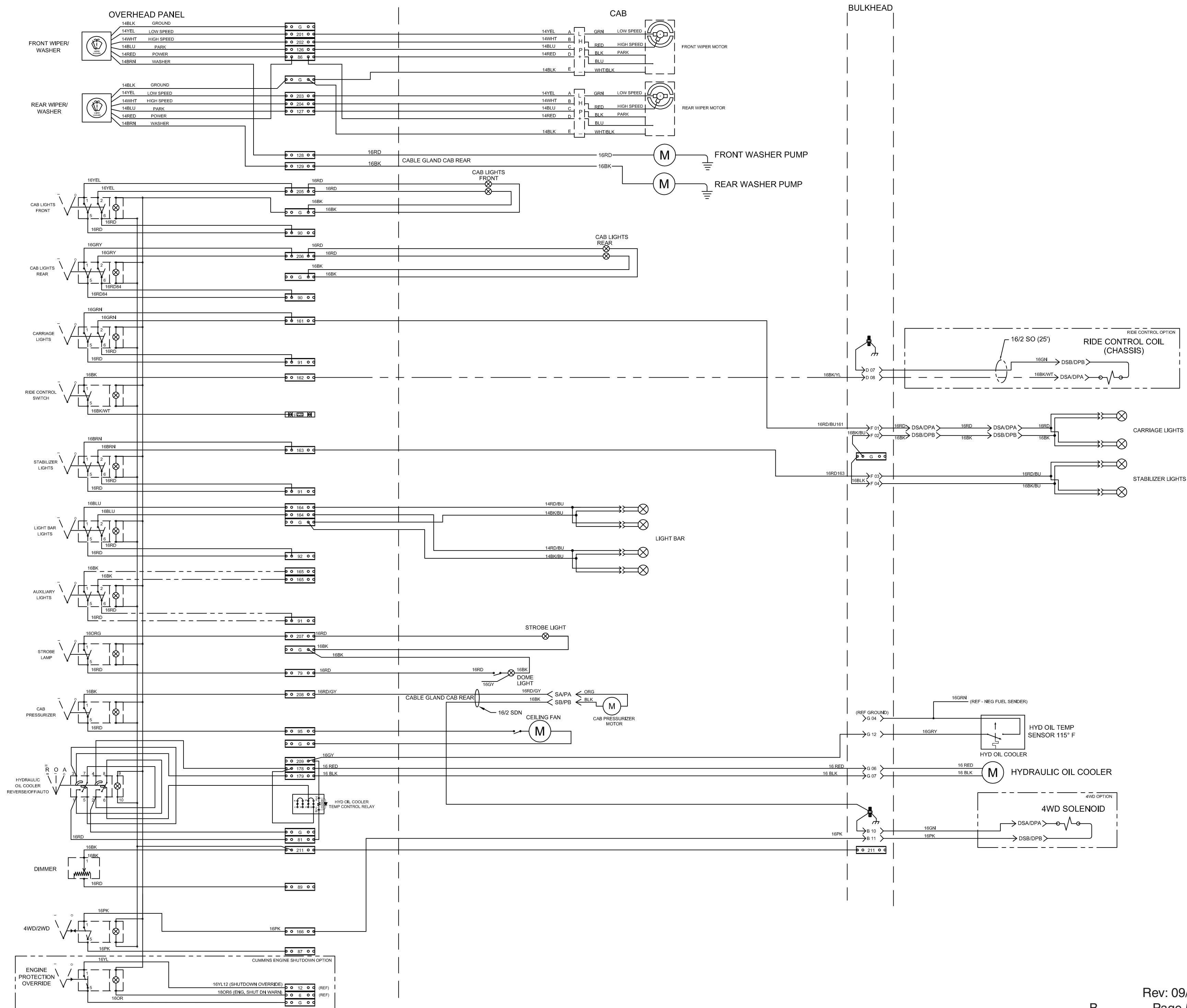


CB PANEL/BULKHEAD



PILOT CONTROLS JUNCTION BOX (VALVE PLATE)





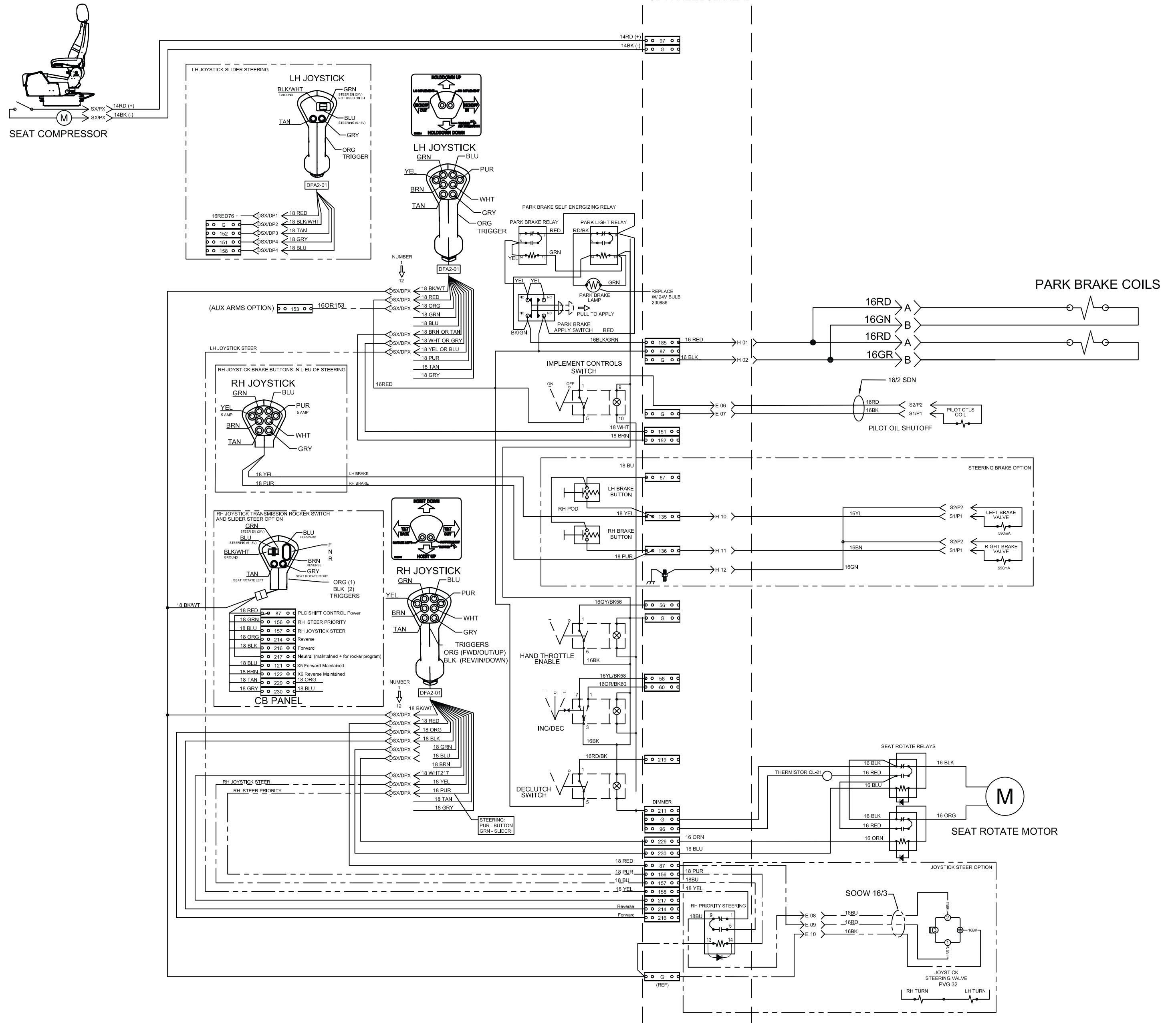


OVERHEAD PANEL

SEAT PLATFORM

CB PANEL/BULKHEAD

CHASSIS



OVERHEAD PANEL

B

TERMINAL	COLOR	LOC	FUNCTION C15 TIER 3	FUNCTION QSX15	TERMINAL	COLOR	LOC	FUNCTION	TERMINAL	COLOR	LOC	FUNCTION	TERMINAL	COLOR	LOC	FUNCTION	SERIAL #	BUILD NOTES/OPTIONS
1			Unused	Off idle switch (3)	71		CB	(48 ECM power)	141				211	BK	CB/OH	dimmer to switch lights	L90F-625	First used on L90F-625
2	RD/WT	CB	* Analog Sensor Power (+5v)		72			(52 ECM power)	142	GY	OH	brake HP filter indicator	212	BK	CB/OH	Fan purge RAD/CAC		
3	YL	CB	* Analog Sensor Return		73			(53 ECM power)	143				213	OG/BK	CB/OH	Fan controller error light	BK or BN	CB
4	RD/WT	CB	* Digital Sensor Power (+8v)	TPS 5v (48)	74			(55 ECM power)	144	ORG	OH	LH HP filter indicator	214			PLC input - reverse		
5	BU	CB	* Digital Sensor Return		75		CB/OH	Ignition	145	BU/WT	OH	Low hyd level	215	WT/RD	CB	PLC input - ground speed	GN or OR	CB
6		CB/OH	Maintenance Clear Switch (N/A)	Eng shut down warn (6)	76		CB/OH	Gauges	146	BU	OH	RH HP filter indicator	216			PLC input - forward		
7	YEL	CB	Torque Limit Switch		77		CB	PLC shift control	147				217	WHT	CB	PLC input - neutral	WHT	CB
8	PK	CB	* Cat Data Link (+)	J1708 + (26)	78		OH	12V options/radio	148				218			service brake signal to PLC		
9	WT	CB	* Cat Data Link (-)	J1708 - (27)	79		OH	Strobe/dome	149				219	RD/BK	CB	PLC input - declutch	RD/YEL	CB/OH
10	WT/BK	CB	* Ether Start Valve		80		CB	valve plate controls	150				220					
11			Air Shutoff Solenoid		81		OH	Hyd oil cooler	151	WHT	CB	RH implement button to relay	221			PLC output- light test	GRY	CB
12		CB/OH	Unused	Shutdown override (12)	82		CB	Accessory relay	152	BRN	CB	LH implement button to relay	222			PLC output- 4th gear LED		
13			Unused	On idle switch (13)	83		CB	Reverse alarm	153	ORG	CB	to aux arms relay (trigger)	223	YL/GN	CB	PLC output- 3rd gear LED	BU/OR	CB
14			Unused		84		OH	Rad/CAC fan controller	154				224			PLC output- 2nd gear LED		
15	BK/WT	CB	* Auxiliary Pressure Sensor		85		OH	Transmission fan controller	155				225	GN/BU	CB	PLC output- 1st gear LED	WT/BK	CB
16	RD/BK	CB	* Auxiliary Temperature Sensor		86		OH	Wipers	156	PUR	CB	RH priority steer relay trigger	226			PLC output- neutral LED		
17			Unused		87		CB/OH	Brakes/controls/4WD	157	BU	CB	RH joystick steer signal	227	BK/RD	CB	PLC output- reverse LED	BN/OR	CB
18			Unused		88		CB/OH	Ether relay	158	YEL	CB	LH joystick steer signal	228			PLC output- forward LED		
19			Unused		89		CB/OH	Panel/warning lights	159				229	OR	CB	to seat rotate relay (OR lead)	BU	CB
20			Unused		90		OH	Lights - cab	160				230			to seat rotate relay (BK lead)		
21			Unused		91		OH	Lights - carriage/stab.	161	GRN	OH	carriage lights	231	BLU	OH	diode - filter indicator test	ORG	OH
22			Unused		92		OH	Light bar	162	BK	OH	ride control switch to coil	232			diode - filter indicator test		
23			Retarder Solenoid Low/High Switch		93		OH	HVAC & overhead fans	163	BRN	OH	stabilizer lights	233	GRY	OH	diode - filter indicator test	YEL	OH
24			Unused		94		OH	HVAC dash fan	164	BLU	OH	light bar	234			diode - filter indicator test		
25			Unused		95		CB/OH	Cab pressurizer and Defrost	165	BK	OH	Aux. lights option	235	BLK	OH	diode - filter indicator test	BU/WT	OH
26			Unused		96		CB	Seat rotate	166	PK	OH	2WD/4WD switch	236			diode - low hyd test		
27			Unused		97		CB	Seat air compressor	167				237	WHT	OH	diode - power low hyd to buzzer	RD	OH
28			Diagnostic Lamp		98				168				238			3a fuse, ZTR unswitched power		
29	OR	CB	* Warning Lamp	<> (16)	99				169				239	BU	OH	Fire activation signal to ZTR	GN	OH
30			Maintenance Due Lamp		100 or "G"		CB/OH	common Ground	170				240			LED dimmer on neg.		
31			Retarder Lamp		101	OR	CB	starter	171				241				RD/BU	CB
32			Unused		102	BK/RD	CB	batt switch for eng shutdown	172				242					
33			Unused		103	RD/BK	CB	ignition switch "run"	173				243				WHT	CB/OH
34	GN	CB/OH	* J1939 Data Link (-)	<> (37)	104	GN	CB/OH	ether relay signal (N/A on CAT)	174				244					
35			Unused — not yet supported		105	BL/YL	CB/OH	horn to switch	175				245				RD	JB
36			Unused		106	BU/GY	OH	N/A ZTR input (was hyd temp)	176				246					
37			Unused		107	BK/WT	OH	ATC to dash evap t-stat	177				247				BK	OH
38			Unused		108	OR	OH	from dash evap to press switch	178				248					
39			Unused		109	WHT	CB/OH	"I" hour meter	179	RD	OH	to hyd oil cooler + FWD	249	BK	OH	to hyd oil cooler - FWD	RD	OH
40			Retarder Solenoid Med./High Switch		110	WHT/GRY	OH	AC compressor	180				250					
41			PTO Interrupt Switch		111	OR/RD	OH	12V Unswitched power	181				251				RD	JB
42	CLEAR	CB/OH	* J1939 Data Link Shield	<> (36)	112	OR/GY	OH	12V switched power	182				252					
43			Unused		113	BU	OH	PLC output- Reverse solenoid	183				253				RD/OR	JB
44			Remote Shutdown Switch		114	BN	OH	PLC output- Forward solenoid	184				254					
45			Intermediate Engine Speed Switch		115	YL	OH	PLC output- 1st solenoid	185	BK/GN	CB	PLC input - park brake	255				RD	JB
46			Unused		116	RD/BK	OH	PLC output- 1st-2nd solenoid	186				256					
47			Unused	TPS (47)	117	OR	OH	PLC output- 1st-3rd solenoid	187				257				BK	OH
48	RD	CB	* Battery (+): Un-switched	<> (7 & 8)	118				188				258					
49	BK	CB	* Coolant Level Sensor		119				189	BU	CB	Rad/CAC cooler prop coil	259				GY	CB
50	YL	CB/OH	* J1939 Data Link (+)	<> (46)	120				190				260					
51			Unused		121	BRN	CB	Trans maintained forward	191				261				WHT	OH
52	RD	CB	* Battery (+): Un-switched	<> (17)	122	BLU	CB	Trans maintained reverse	192				262					
53	RD	CB	* Battery (+): Un-switched	<> (18)	123				193	ORG	CB	trans cooler prop valve	263				BN	CB
54			Over speed Verify Switch		124				194				264					
55	RD	CB	* Battery (+): Un-switched	<> (28)	125				195	GY	CB	trans cooler rev valve	265				BN	CB
56	GY/BK	CB	* PTO Enable Switch	<> (23)	126	BU	OH	Front wiper park	196				266					
57			Unused		127	BU	OH	Rear wiper park	197				267				RD	OH
58	YL/BK	CB	* PTO Ramp Up/Set Switch	<> (14)	128	RD	OH	Front wiper washer	198				268					
59			Unused		129	BK	OH	Rear wiper washer	199				269				GRN	JB
60	OR/BK	CB	* PTO Ramp Down/Resume Switch	<> (24)	130				200				270					
61	GN	CB	* Battery (-)	<> (G - 9 & 10)	131				201	YEL	OH	Front wiper low speed	271				WHT	OH
62			Unused		132				202				272					
63	GN	CB	* Battery (-)	<> (G - 29 & 30)	133				203	YEL	OH	Rear wiper low speed	273				WHT	OH
64	GN	CB			134				204				274					
65			* Battery (-)	<> (G - 39 & 40)	135	YL	CB	LH brake button	205	YEL	OH	Front cab lights	275				GRY	OH
66	WT	CB	* Throttle Position Sensor	TPS return (49)	136	BN	CB	RH brake button	206				276					
67			Solenoid Common		137	PK	CB	idle validation switch NO	207	ORG	OH	strobe light	277				BLK	OH
68			Unused		138	BK	OH	return filter indicator	208				278					
69	GN	CB	* Battery (-)	<> (G - 50)	139				209	GRY	OH	hyd cooler temp switch to relay -	279				YEL	OH
70	RD	CB/OH	* Battery (+): (key) Switched	<> (38)	140				210				280					

KEY

LOC LOCATION OF WAGO

CB CIRCUIT BREAKER PANEL

OH OVERHEAD CONSOLE

JB JUNCTION BOX ON VALVE PLATE

* Cat ECM pins used

<> Cummins QSX15 ECM functions that are similar to CAT C15 functions