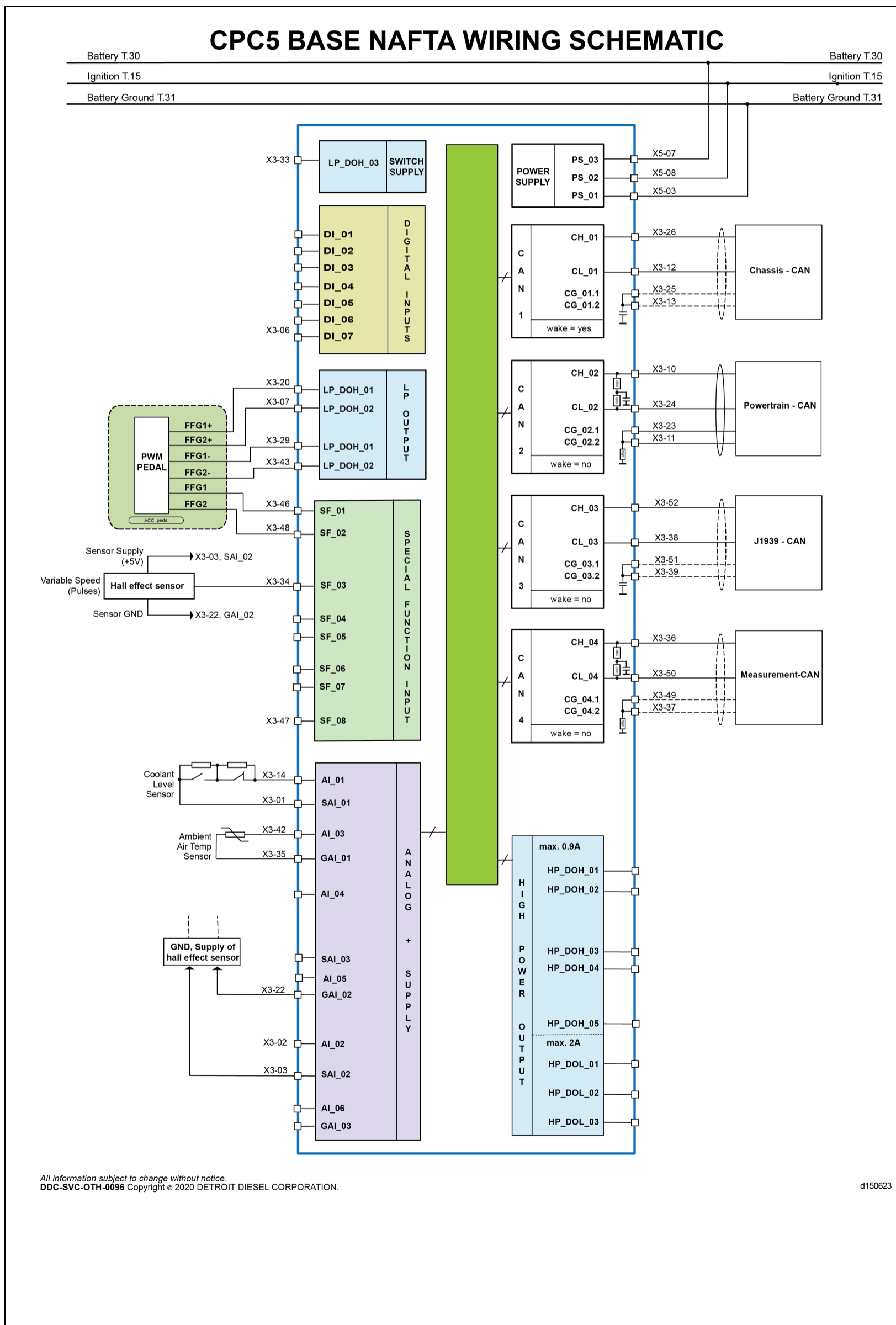


### Powertrain Electrical Wiring Schematics

CHAPTER 2: HEAVY DUTY PLATFORM - EPA07 (DDECVI) - EPA10 (DDEC10) - GHG14 (DDEC13) - GHG17 (DDEC13)

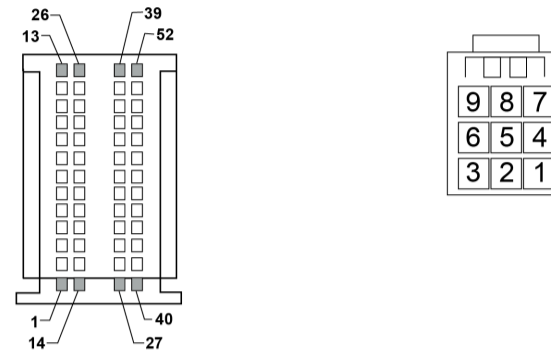
## CPC5 Base NAFTA Wiring Schematic

The GHG17 CPC5 Base Nafta wiring schematic is shown below. Instructions for how to print wiring schematics are listed in Chapter 1 of this collection.



## Fig. 1, CPC5 Base Nafta Wiring Schematic (Page 1 of 2)

52-PIN CONNECTOR #3			9-PIN CONNECTOR #5		
PIN	SIGNAL DESCRIPTION	FUNCTION	PIN	SIGNAL DESCRIPTION	FUNCTION
X3 - 1	5V SUPPLY	5V SUPPLY 01: COOLANT LEVEL	X5 - 1	NOT POPULATED	
X3 - 2	ANALOG IN	AIR FILTER PRESSURE SWITCH	X5 - 2	NOT POPULATED	
X3 - 3	5V SUPPLY	5V SUPPLY 02: AIR FILTER + ELECTRONIC N SENSOR + ELECTRONIC R SENSOR	X5 - 3	BAT -	NEGATIVE BATTERY SUPPLY
X3 - 4	NOT CONNECTED		X5 - 4	NOT POPULATED	
X3 - 5	NOT CONNECTED		X5 - 5	NOT POPULATED	
X3 - 6	SWITCH	AIR CONDITION PRESSURE SWITCH	X5 - 6	NOT POPULATED	
X3 - 7	NOT CONNECTED		X5 - 7	BAT +	POSITIVE BATTERY SUPPLY
X3 - 8	NOT CONNECTED		X5 - 8	IGN	WAKE-UP, TERMINAL 15
X3 - 9	NOT CONNECTED		X5 - 9	NOT POPULATED	
X3 - 10	CAN	POWERTRAIN CAN HIGH			
X3 - 11	CAN	POWERTRAIN CAN GROUND2			
X3 - 12	CAN	CHASSIS CAN LOW			
X3 - 13	CAN	CHASSIS CAN GROUND1			
X3 - 14	NOT CONNECTED				
X3 - 15	NOT CONNECTED				
X3 - 16	NOT CONNECTED				
X3 - 17	NOT CONNECTED				
X3 - 18	NOT CONNECTED				
X3 - 19	NOT CONNECTED				
X3 - 20	HIGH SIDE	ACCELERATION PEDAL 1 POWER SUPPLY			
X3 - 21	NOT CONNECTED				
X3 - 22	NOT CONNECTED				
X3 - 23	CAN	POWERTRAIN CAN GROUND1			
X3 - 24	CAN	POWERTRAIN CAN LOW			
X3 - 25	CAN	CHASSIS CAN GROUND1			
X3 - 26	CAN	CHASSIS CAN HIGH			
X3 - 27	NOT CONNECTED				
X3 - 28	NOT CONNECTED				
X3 - 29	LOW SIDE	ACCELERATION PEDAL 1 GROUND			
X3 - 30	LOW SIDE	RESERVE LOW SIDE OUTPUT2 (E.G. RELAY)			
X3 - 31	NOT CONNECTED				
X3 - 32	NOT CONNECTED				
X3 - 33	HIGH SIDE	SWITCH SUPPLY			
X3 - 34	PWM IN	VEHICLE SPEED SIGNAL			
X3 - 35	LOW SIDE	GND SUPPLY 01: AMBIENT TEMPERATURE			
X3 - 36	CAN	MEASUREMENT CAN HIGH			
X3 - 37	CAN	MEASUREMENT CAN GROUND2			
X3 - 38	CAN	J1939 / HYBRID CAN LOW			
X3 - 39	CAN	HYBRID CAN GROUND2			
X3 - 40	NOT CONNECTED				
X3 - 41	NOT CONNECTED				
X3 - 42	ANALOG IN	AMBIENT TEMPERATURE SENSOR			
X3 - 43	LOW SIDE	ACCELERATION PEDAL 2 GROUND			
X3 - 44	LOW SIDE	RESERVE LOW SIDE OUTPUT 1 (E.G. RELAY)			
X3 - 45	NOT CONNECTED				
X3 - 46	PWM IN	ACCELERATION PEDAL 1			
X3 - 47	PWM IN	ROTATION SPEED OF THE ALTERNATOR			
X3 - 48	PWM IN	ACCELERATION PEDAL 2			
X3 - 49	CAN	MEASUREMENT CAN GROUND 1			
X3 - 50	CAN	MEASUREMENT CAN LOW			
X3 - 51	CAN	HYBRID CAN GROUND 1			
X3 - 52	CAN	J1939 / HYBRID CAN HIGH			



## Fig. 2, CPC5 Base Nafta Wiring Schematic (Page 2 of 2)

**Note:**

Parent topic: [Heavy Duty Platform - EPA07 \(DDECVI\) - EPA10 \(DDEC10\) - GHG14 \(DDEC13\) - GHG17 \(DDEC13\)](#)

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