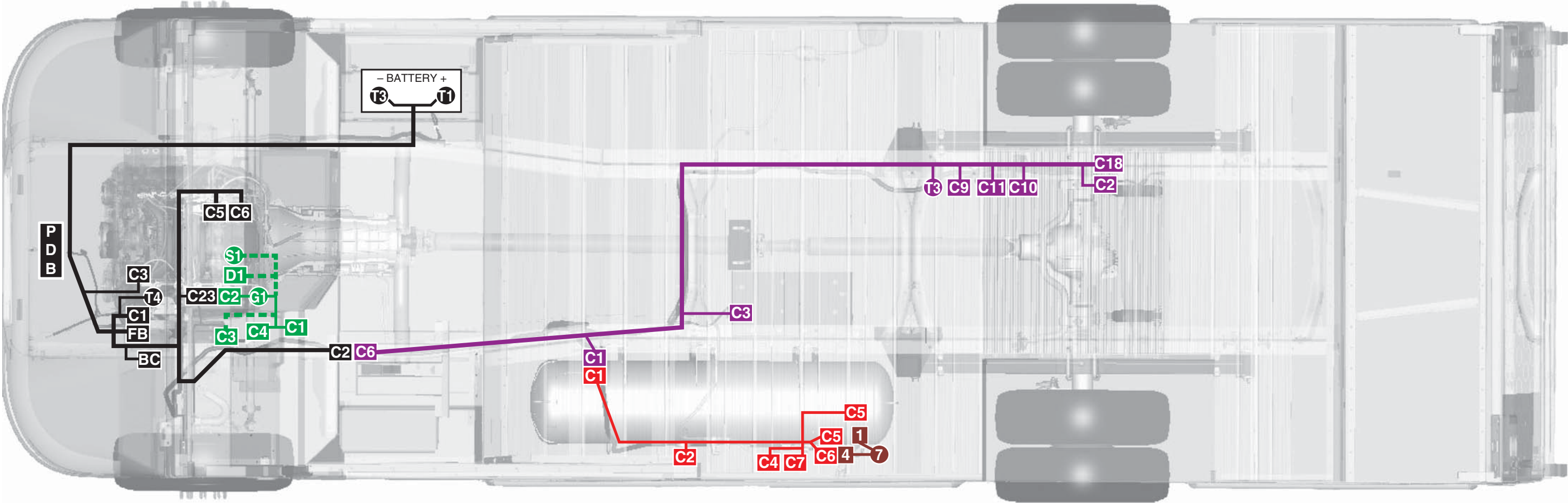


F-59 Wiring Harnesses and Connector Layout



100471a

- UNDERHOOD HARNESS
- CAN HARNESS
- REAR FRAME HARNESS
- TANK SOLENOID HARNESS
- IN-TANK HARNESS

- UNDERHOOD HARNESS**
- C1 SRM, 46-PIN
 - C2 UNDERHOOD / REAR FRAME INLINE CONNECTOR, 16-PIN
 - C3 IPTS, 4-PIN
 - C5 SUPPLY SOLENOID, 2-PIN
 - C6 BLEED SOLENOID, 2-PIN
 - C23 UNDERHOOD / CAN INLINE CONNECTOR, 4 -PIN
 - FB AUX FUSE BOX
 - T1 BATT POWER, RING TERMINAL
 - T3 BATT GROUND, RING TERMINAL
 - T4 SRM CASE GROUND, RING TERMINAL
 - BC BLUNT CUTS FOR CK WRNG, FU CLR, A/C CL2, A/C CL3, AC2 REQ, AC3 REQ

- CAN HARNESS**
- C1 OBD FLANGE MOUNT, 16-PIN
 - C2 CAN / UNDERHOOD INLINE, 4-PIN
 - C3 CAN / MORGAN INLINE CONNECTOR, 1-PIN (UPS ONLY)
 - C4 OBD INLINE CONNECTOR TO FORD HARNESS, 16-PIN
 - D1 DIODE (UPS ONLY)
 - G1 GROMMET
 - S1 SPLICE TO MORGAN OLSON IP HARNESS (UPS ONLY)

- REAR FRAME HARNESS**
- C1 REAR FRAME / TANK INLINE, 16-PIN
 - C2 FTPT FORD HARNESS INLINE, 3-PIN
 - C3 FTPT SENSOR, 3-PIN
 - C6 REAR FRAME / UNDERHOOD INLINE, 16-PIN
 - C9 RCT EFPR, 8-PIN
 - C10 FORD FPCM INLINE, 8-PIN
 - C11 FORD EFPR, 8-PIN
 - C18 FORD FUEL TANK HARNESS INLINE, 4-PIN
 - T3 FRAME GROUND (FP SHIELD), RING TERMINAL

- TANK SOLENOID HARNESS**
- C1 TANK / REAR FRAME INLINE, 16-PIN
 - C2 FUEL LEVEL SENDER, 3-PIN
 - C3 IPTS #2, 4-PIN
 - C4 FLOW CONTROL SOLENOID VALVE, 2-PIN
 - C5 TANK / FUEL PUMP #1 INLINE, 2-PIN (BLK)
 - C6 TANK / FUEL PUMP #2 INLINE, 2-PIN (GRAY)
 - C7 SUPPLY SOLENOID VALVE, 2-PIN
- IN-TANK HARNESS**
- C1 FUEL PUMP #1 INLINE CONNECTOR
 - C4 FUEL PUMP #2 INLINE CONNECTOR
 - 7 GROMMET

**UNDERHOOD HARNESS
P16MB-18A100-A**

**REAR FRAME HARNESS
P16MB-18C200-A**

**CAN HARNESS
P16MB-18B100-A**

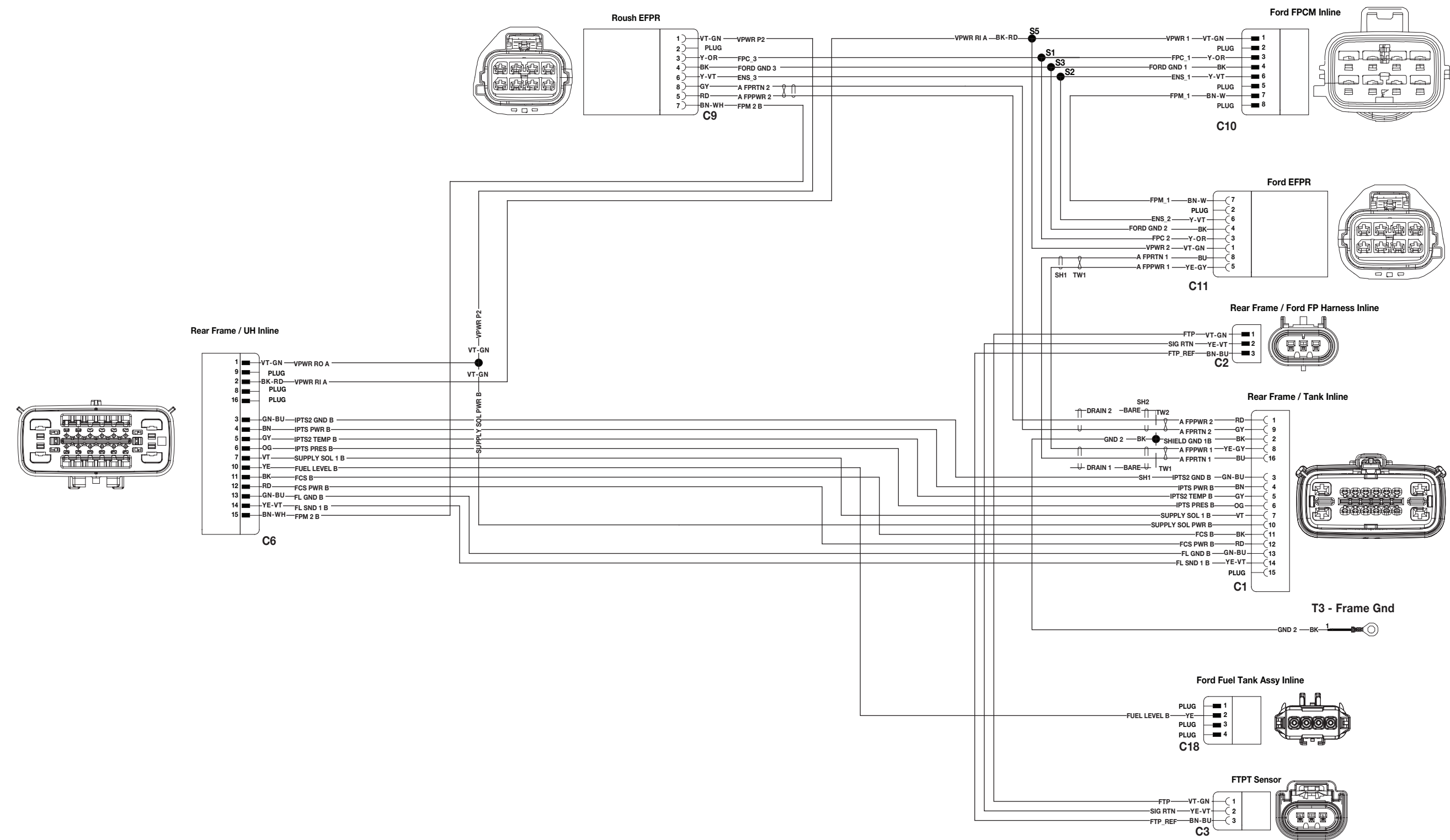
**TANK HARNESS
P16MB-18K377-A**

COMPONENTS AND CONNECTIONS:

- BLEED SOLENOID (GRAY) C6 DT06-2S-CE01**
- SUPPLY SOLENOID (BLACK) C5 DT06-2S-CE05**
- IPTS C3 1-967640-1**
- UH/CAN INLINE C23 DT06-4S**
- ACCESSORY BLUNT CUTS**
- T4 - CASE GND 2984172**
- SRM C1 1326110-1**
- 12110594 FUSE BOX**
- OBD2 FORD HARNESS INLINE C4 68503-1602**
- OBD2 FLANGE MOUNT C1 51116-1601**
- TANK/REAR FRAME INLINE C1 34986-1601**
- REAR FRAME/ UNDERHOOD INLINE C6 34986-1601**
- REAR FRAME/TANK INLINE C1 33476-1601**
- FTPT FORD HARNESS INLINE C2 15326813**
- FUEL LEVEL SENDER C2 12110293**
- FORD HARNESS FUEL TANK INLINE C18 54200414**
- FCS SOLENOID (GRAY) C4 DT06-2S-CE01**
- IPTS #2 C3 1-967640-1**
- BLACK 12010973 C5 FUEL PUMP INLINE #1**
- GRAY 12034074 C6 FUEL PUMP INLINE #2**
- DT06-2S-CE05 C7 SUPPLY SOLENOID (BLACK)**
- FTPT SENSOR C3 13511996**
- FORD EFPR C11 7283-5574-10**
- RCT EFPR C9 7283-5574-10**
- FORD HARNESS FPCM INLINE C10 7282-5574-10**
- 12103507 T3 - FRAME GND**
- T3 - GND C-340-38**
- C-340-38 T1 - BATT PWR**

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F-59 F-450 F-550 Electrical Schematic — Rear Frame Harness

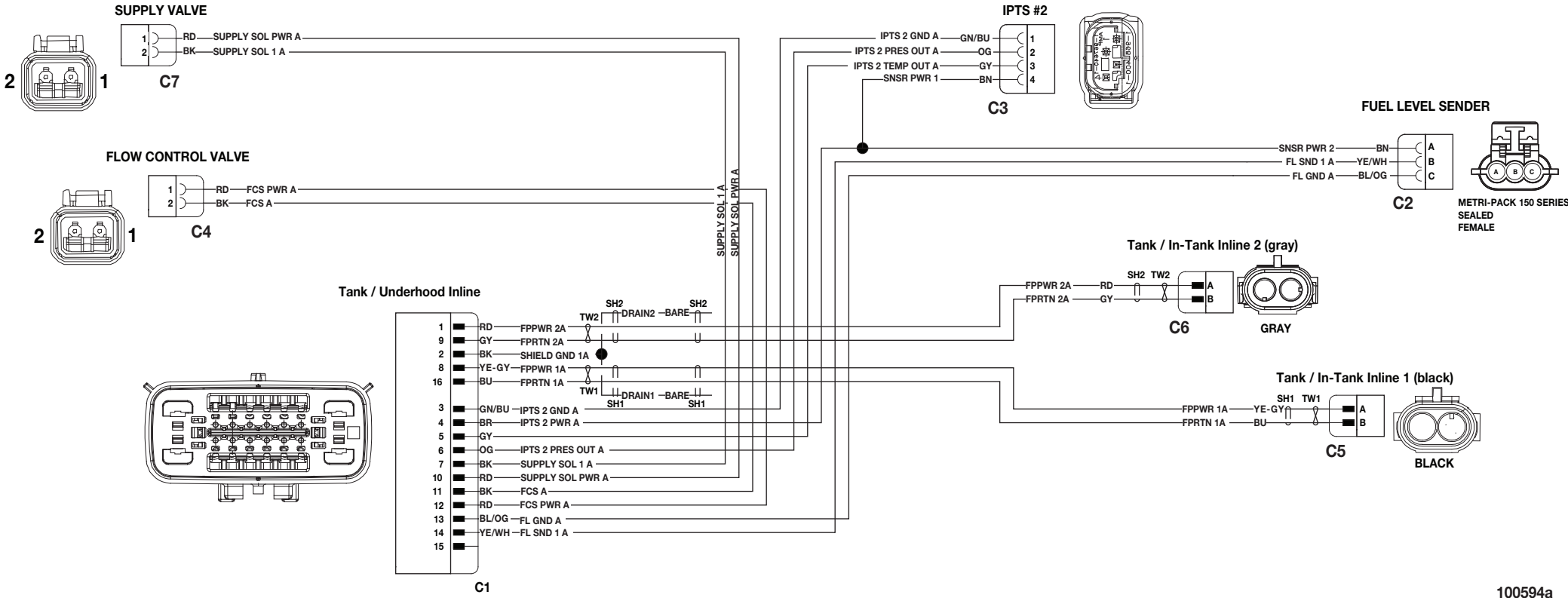


F-59 F-450 F-550 Electrical Schematic — Tank Harness

WIRE TABLE												
Index	Wire	Color	Spec.	CSA	MAT	From	Connector	Cavity	To	Connector	Cavity	Multicore
1	DRAIN1	BARE	22	0		S1	-	-	-	-	-	SH1
2	DRAIN2	BARE	22	0		S1	-	-	-	-	-	SH2
3	FPPWR 1A	YE-GY	12	3.31	GXL	Tank / In-Tank Inline 1 (black)	C5	A	Tank / Underhood Inline	C1	8	TW1
4	FPRTN 1A	BU	12	3.31	GXL	Tank / In-Tank Inline 1 (black)	C5	B	Tank / Underhood Inline	C1	16	TW1
5	FPPWR 2A	RD	12	3.31	GXL	Tank / Underhood Inline	C1	1	Tank / In-Tank Inline 2 (gray)	C6	A	TW2
6	FPRTN 2A	GY	12	3.31	GXL	Tank / In-Tank Inline 2 (gray)	C6	B	Tank / Underhood Inline	C1	9	TW2
7	FCS A	BK	18	0.82	GXL	FLOW CONTROL VALVE	C4	2	Tank / Underhood Inline	C1	11	
8	FCS PWR A	RD	18	0.82	GXL	FLOW CONTROL VALVE	C4	1	Tank / Underhood Inline	C1	12	
9	FL GND A	BL/OG	18	0.82	GXL	Tank / Underhood Inline	C1	13	FUEL LEVEL SENDER	C2	C	
10	FL SND 1 A	YE/WH	18	0.82	GXL	Tank / Underhood Inline	C1	14	FUEL LEVEL SENDER	C2	B	
11	IPTS 2 GND A	GN/BU	20	0.52	GXL	IPTS #2	C3	1	Tank / Underhood Inline	C1	3	
12	IPTS 2 PRES OUT A	OG	20	0.52	GXL	IPTS #2	C3	2	Tank / Underhood Inline	C1	6	
13	IPTS 2 PWR A	BR	20	0.52	GXL	S2	-	-	Tank / Underhood Inline	C1	4	
14	IPTS 2 TEMP OUT A	GY	20	0.52	GXL	IPTS #2	C3	3	Tank / Underhood Inline	C1	5	
15	SHIELD GND 1A	BK	20	0.52	GXL	Tank / Underhood Inline	C1	2	S1	-	-	
16	SNSR PWR 1	BN	20	0.52	GXL	S2	-	-	IPTS #2	C3	4	
17	SNSR PWR 2	BN	20	0.52	GXL	S2	-	-	FUEL LEVEL SENDER	C2	A	
18	SUPPLY SOL 1 A	BK	18	0.82	GXL	SUPPLY VALVE	C7	2	Tank / Underhood Inline	C1	7	
19	SUPPLY SOL PWR A	RD	18	0.82	GXL	SUPPLY VALVE	C7	1	Tank / Underhood Inline	C1	10	

TWISTED PAIR			
Index	Multicore Name	Contents	Type
1	TW1	FPPWR 1A	Twisted
2	TW1	FPRTN 1A	Twisted
3	TW2	FPPWR 2A	Twisted
4	TW2	FPRTN 2A	Twisted

SHIELD TABLE		
Index	Shield Name	Contents
1	SH1	DRAIN1
2	SH1	TW1
3	SH2	DRAIN2
4	SH2	TW2



F-59 F-450 F-550 Electrical Schematic — CAN Bus Harness

