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D-18902-57	P15 P16	A: SINGLE AUXILARY AXLE PNEUMATICS A: TWO AUXILARY AXLE PNEUMATICS		Date	Modification Count

Table of Contents

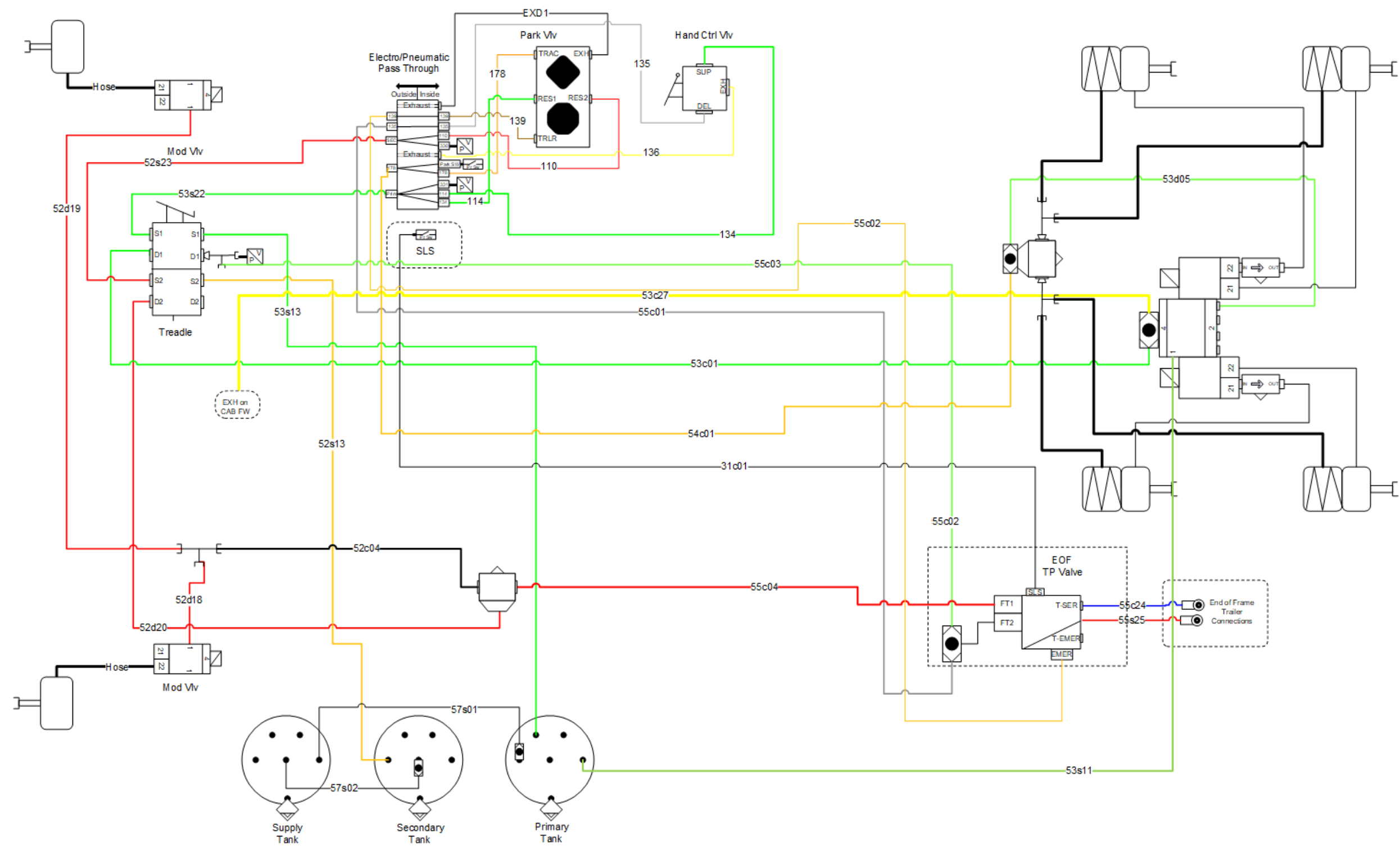
1	ABS ONLY TRACTOR	2
2	TRACTOR WITH RSA (OR ATC ONLY) AND GRADE GRIPPER	3
3	TRAILER CONNECTIONS WITH PARK INVERSION, RSA (OR ATC ONLY) WITH GRADE GRIPPER ...	4
4	TRAILER CONNECTIONS WITH PARK INVERSION WITH RSA	5
5	TRAILER CONNECTIONS WITH PARK INVERSION WITH ATC ONLY	6
6	RIGID WITH RSA ONLY	7
7	RIGID RSA/ATC AND GRAD GRIPPER.....	8
8	ABS ONLY RIGID.....	9
9	TRI-DRIVE BRAKE SYSTEM, TRACTOR ONLY	10
10	TRI-DRIVE BRAKE SYSTEM, WITH PARK INVERSION	11
11	AUXILARY SYSTEMS ON PRESSURE PROTECTED CIRCUIT	12
12	AUXILARY SYSTEMS ON PRESSURE PROTECTED CIRCUIT, TRI-DRIVE SUSPENSION	13
13	AUXILARY SYSTEMS ON PRESSURE PROTECTED CIRCUIT, 6x2 SUSPENSION (PUSHER)	14
14	SINGLE PUSHER AXLE	15
15	TWO AUXILARY AXLE PNEUMATICS	16
16	AIR LINE NUMBERS AND DESCRIPTION	17

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	Document No 23833335	Issue Index 05	Volume No 01	Page No 1(19)

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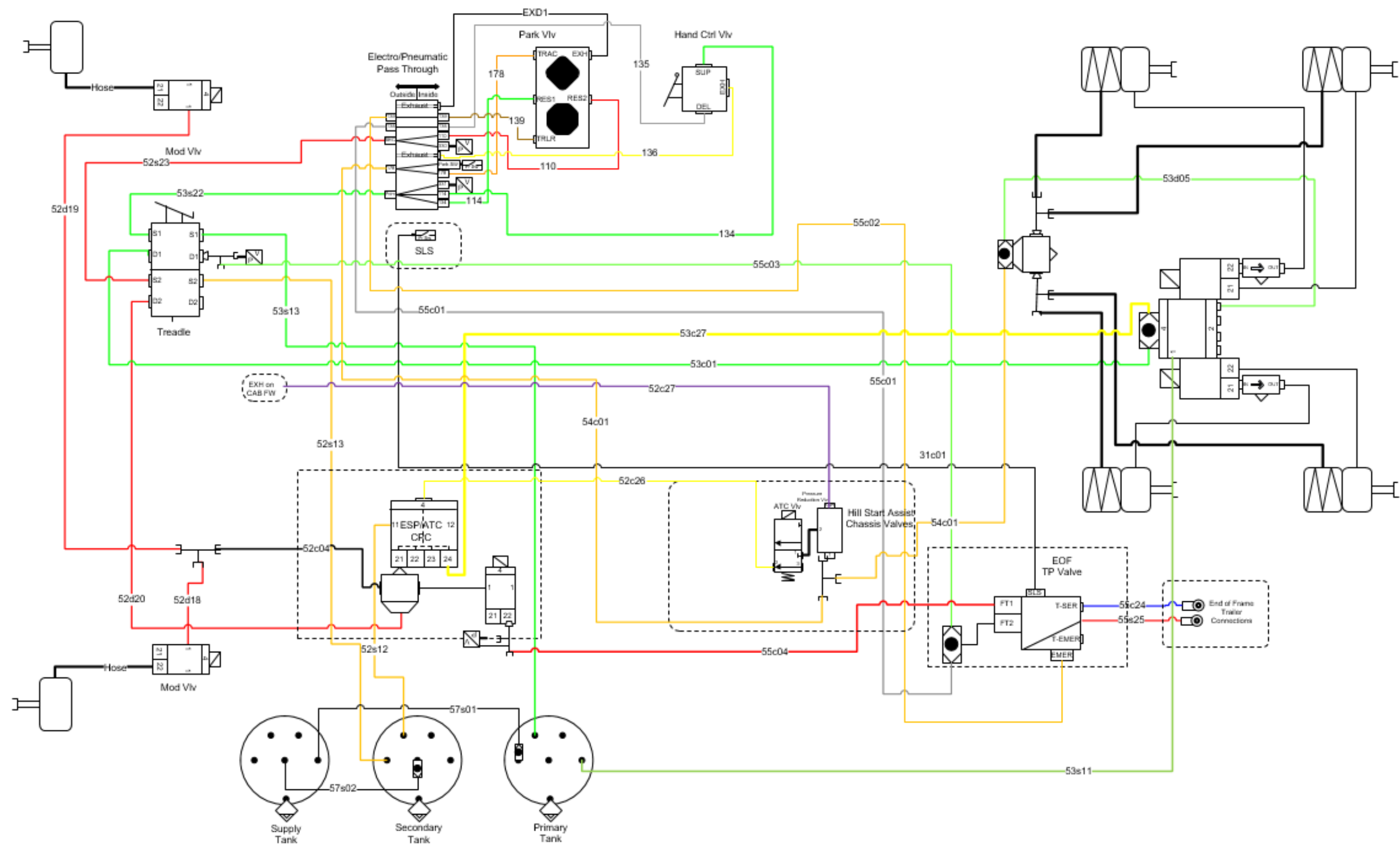
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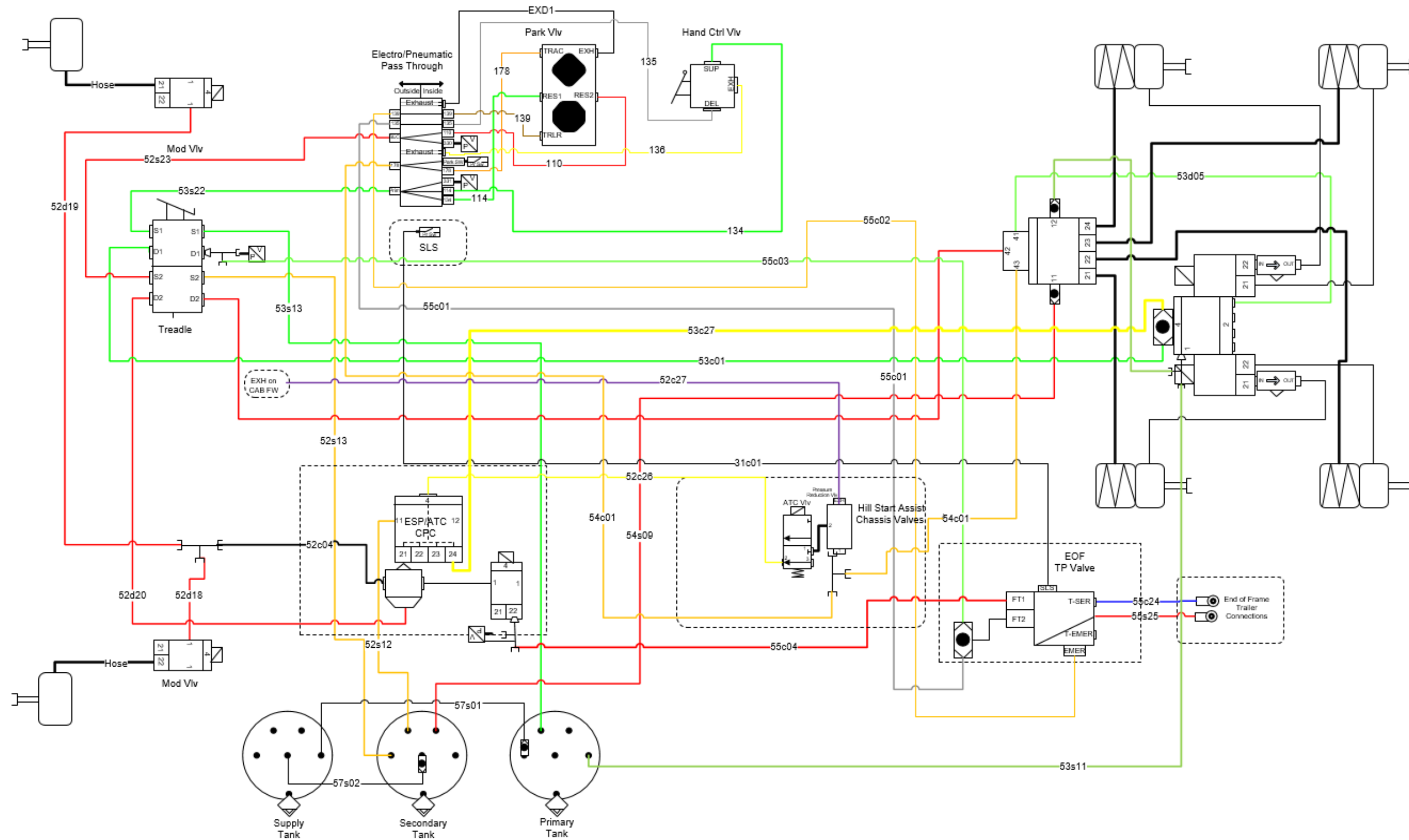
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Group Trucks Technology

Document Title SCHEMATICS			
Document Type ASSEMBLY REQUIREMENTS			
Document No 23833335	Issue Index 05	Volume No 01	Page No 2(19)

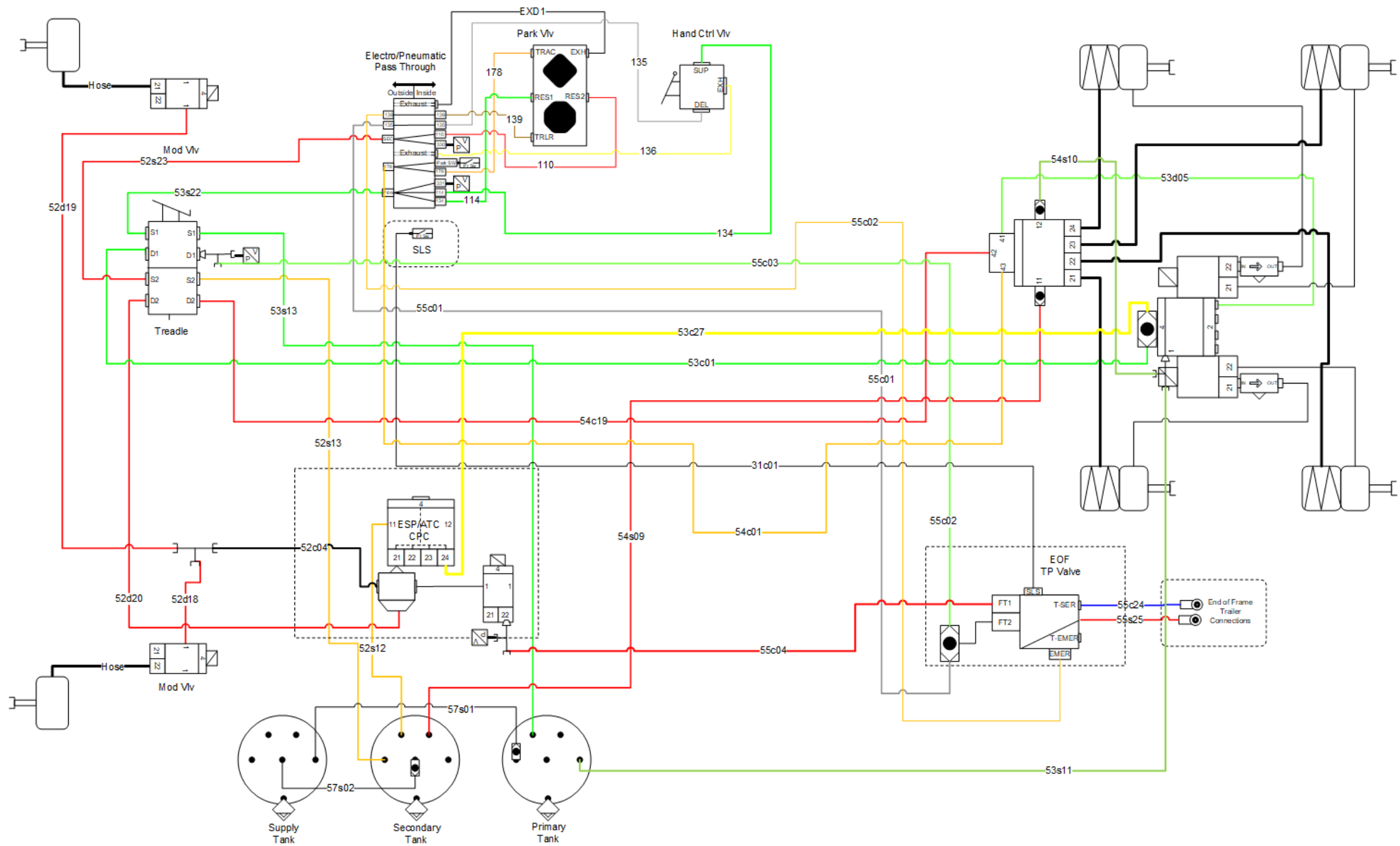
2 TRACTOR WITH RSA (OR ATC ONLY) AND GRADE GRIPPER



3 TRAILER CONNECTIONS WITH PARK INVERSION, RSA (OR ATC ONLY) WITH GRADE GRIPPER

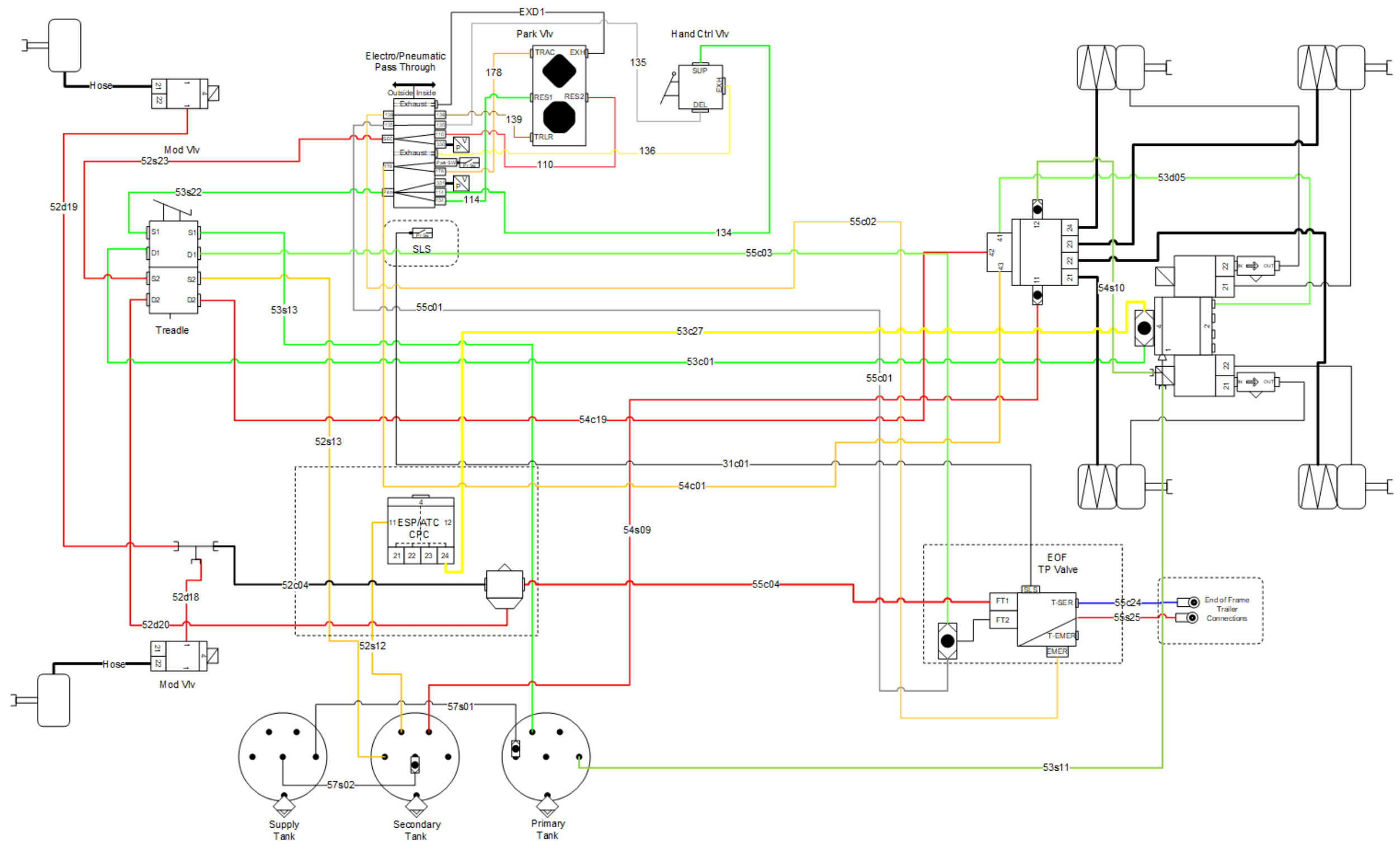


4 TRAILER CONNECTIONS WITH PARK INVERSION WITH RSA



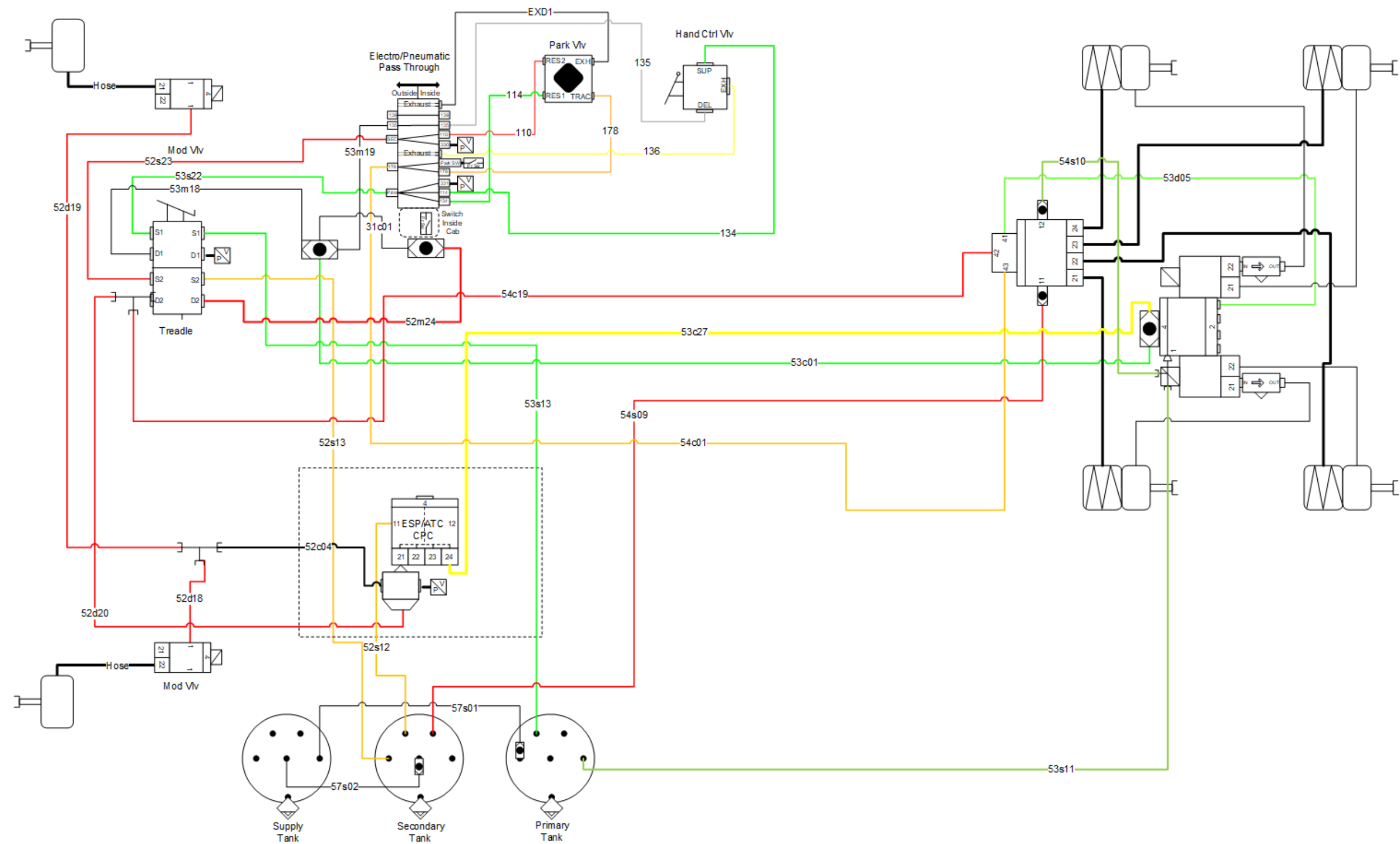
VOLVO Group Trucks Technology	Document Title			
	SCHEMATICS			
	Document Type			
	ASSEMBLY REQUIREMENTS			
Document No	Issue Index	Volume No	Page No	
23833335	05	01	5(19)	

5 TRAILER CONNECTIONS WITH PARK INVERSION WITH ATC ONLY



VOLVO Group Trucks Technology		Document Title SCHEMATICS			
		Document Type ASSEMBLY REQUIREMENTS			
Document No 23833335		Issue Index 05	Volume No 01	Page No 6(19)	

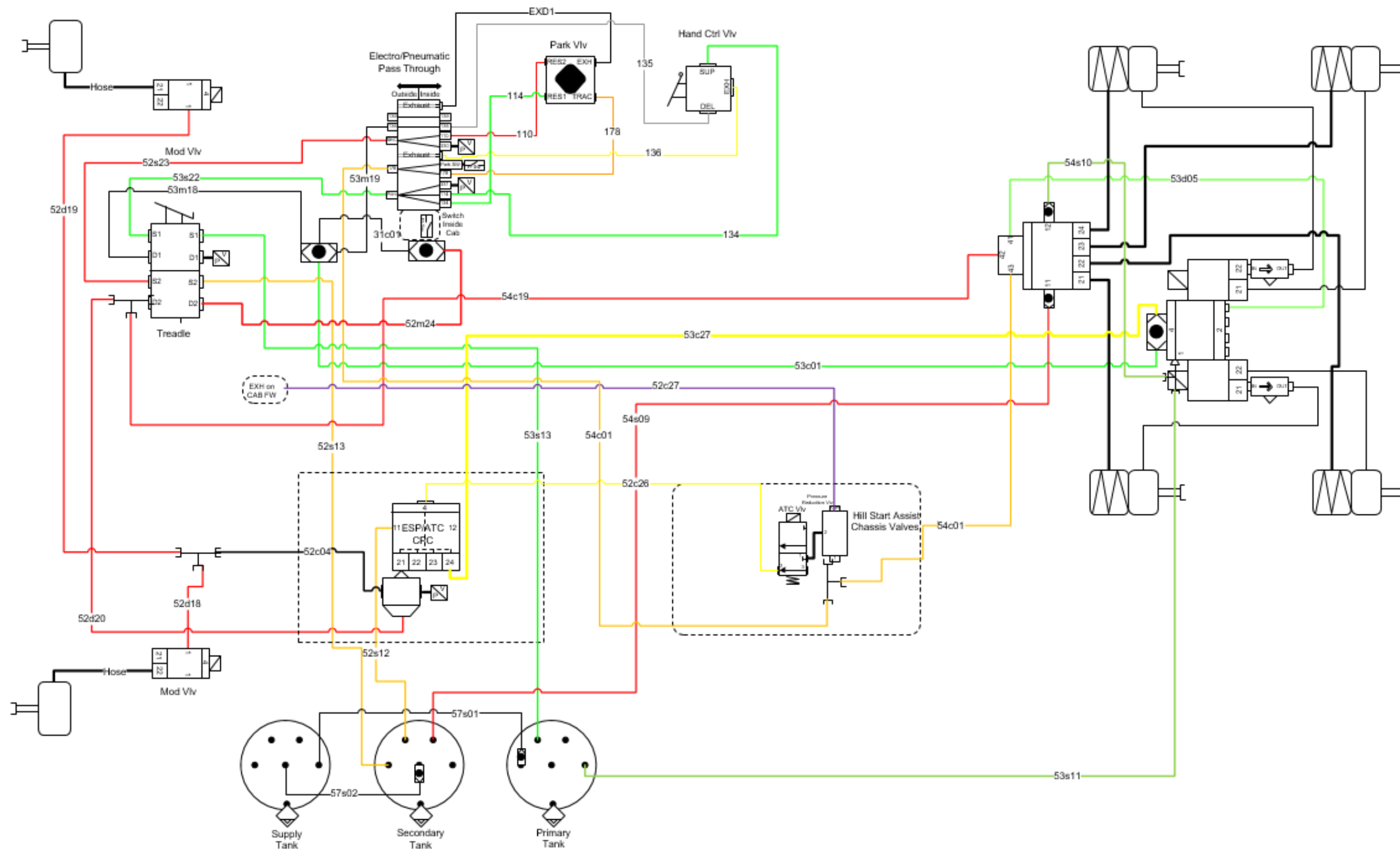
6 RIGID WITH RSA ONLY



VOLVO
Group Trucks Technology

Document Title			
SCHEMATICS			
Document Type			
ASSEMBLY REQUIREMENTS			
Document No	Issue Index	Volume No	Page No
23833335	05	01	7(19)

7 RIGID RSA/ATC AND GRAD GRIPPER



VOLVO
Group Trucks Technology

Document Title	SCHEMATICS
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Document Type
ASSEMBLY REQUIREMENTS

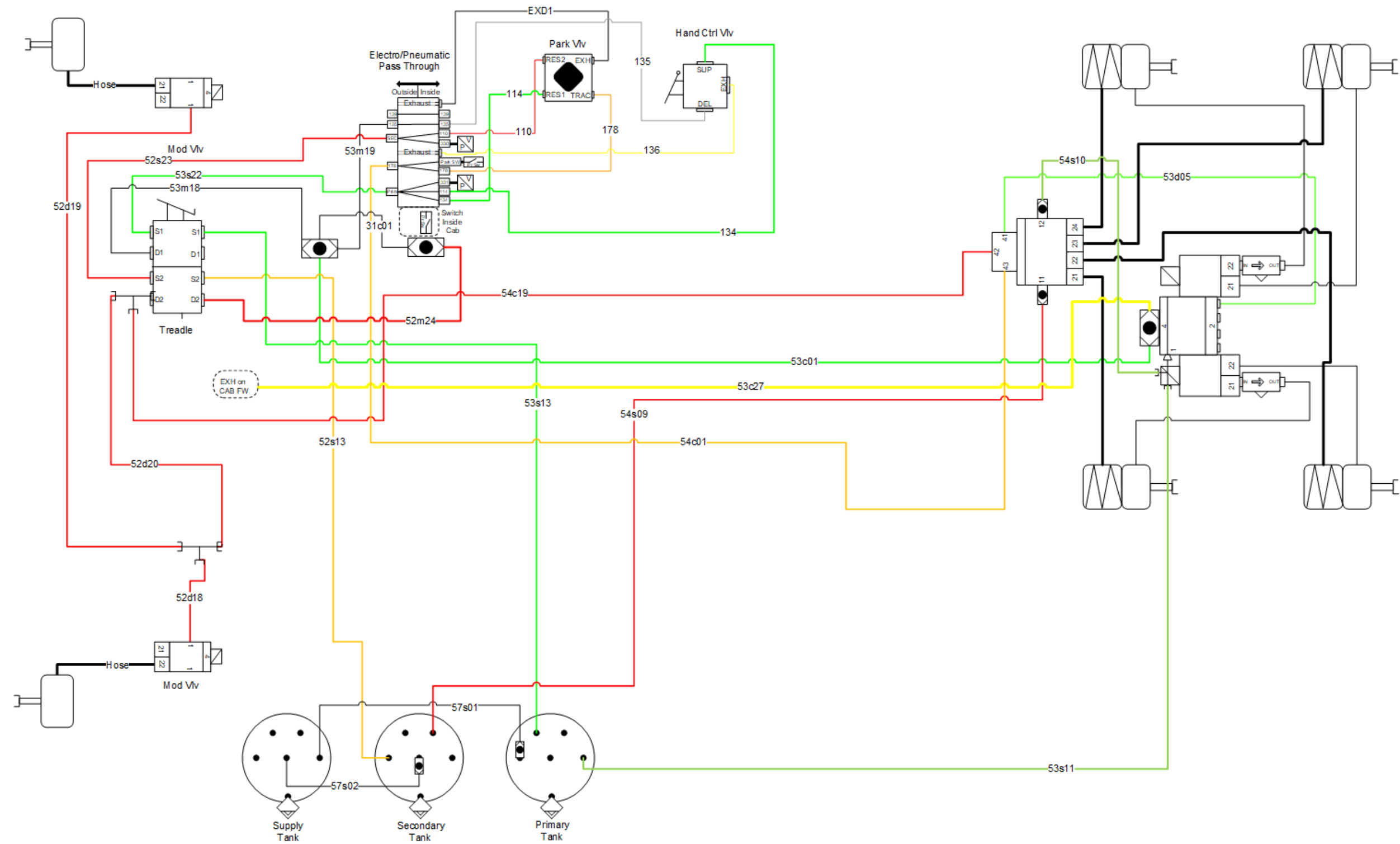
Document No
23833335

Issue Index	05
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Volume No
01

Page No
8(19)

8 ABS ONLY RIGID

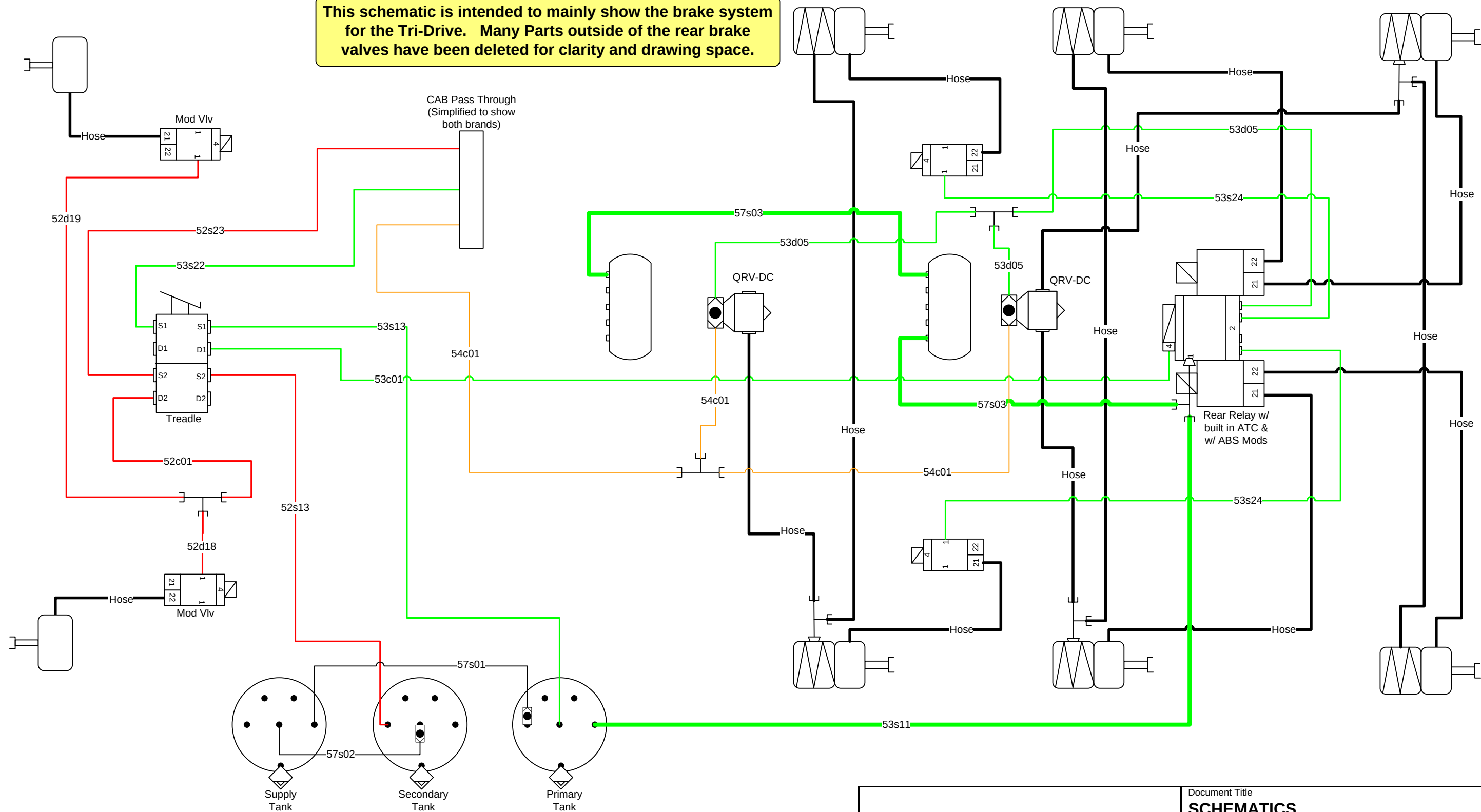


VOLVO
Group Trucks Technology

Document Title			
SCHEMATICS			
Document Type			
ASSEMBLY REQUIREMENTS			
Document No	Issue Index	Volume No	Page No
23833335	05	01	9(19)

9 TRI-DRIVE BRAKE SYSTEM, TRACTOR ONLY

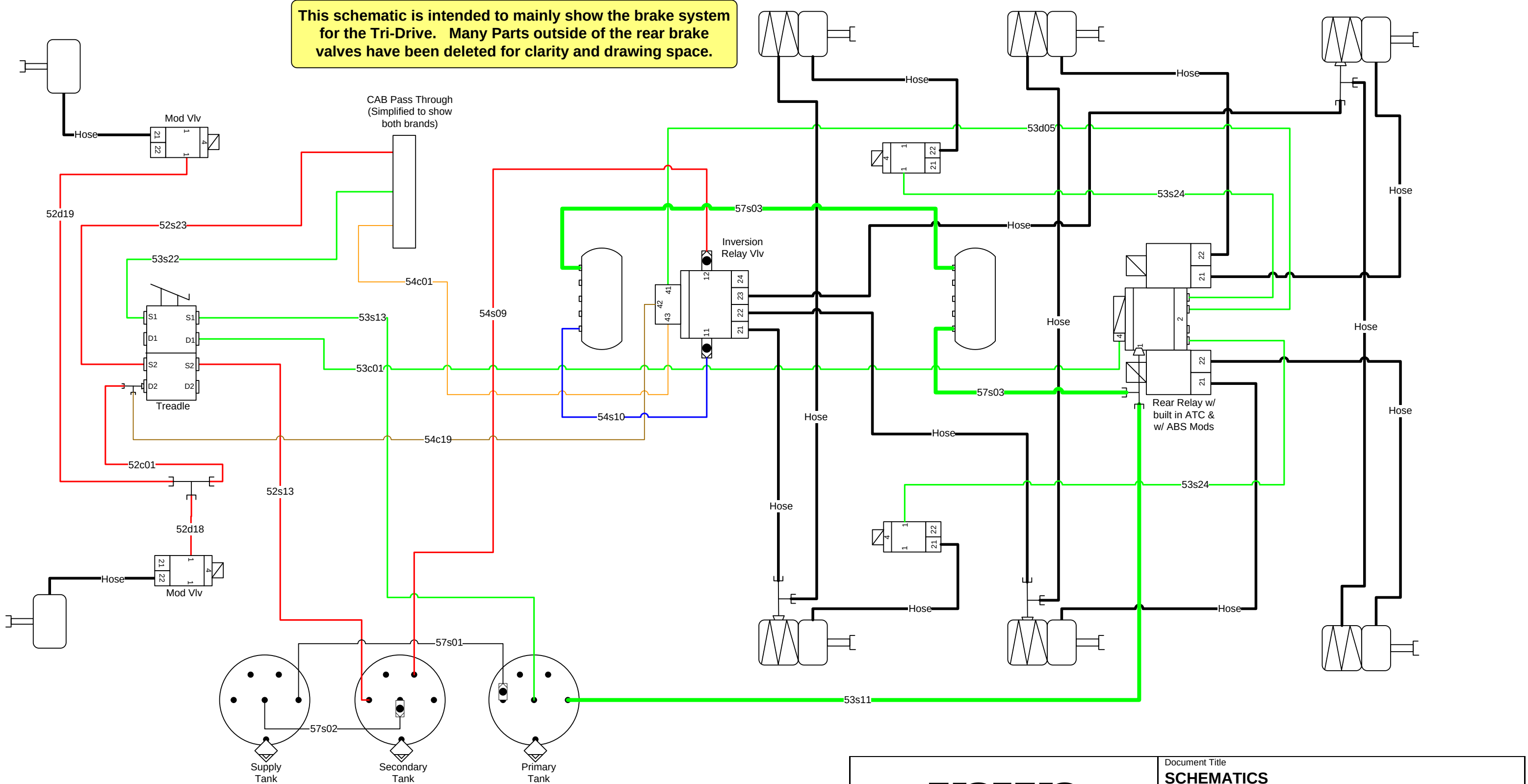
This schematic is intended to mainly show the brake system for the Tri-Drive. Many Parts outside of the rear brake valves have been deleted for clarity and drawing space.



VOLVO Group Trucks Technology	Document Title SCHEMATICS			
	Document Type ASSEMBLY REQUIREMENTS			
	Document No	Issue Index	Volume No	Page No
	23833335	05	01	10(19)

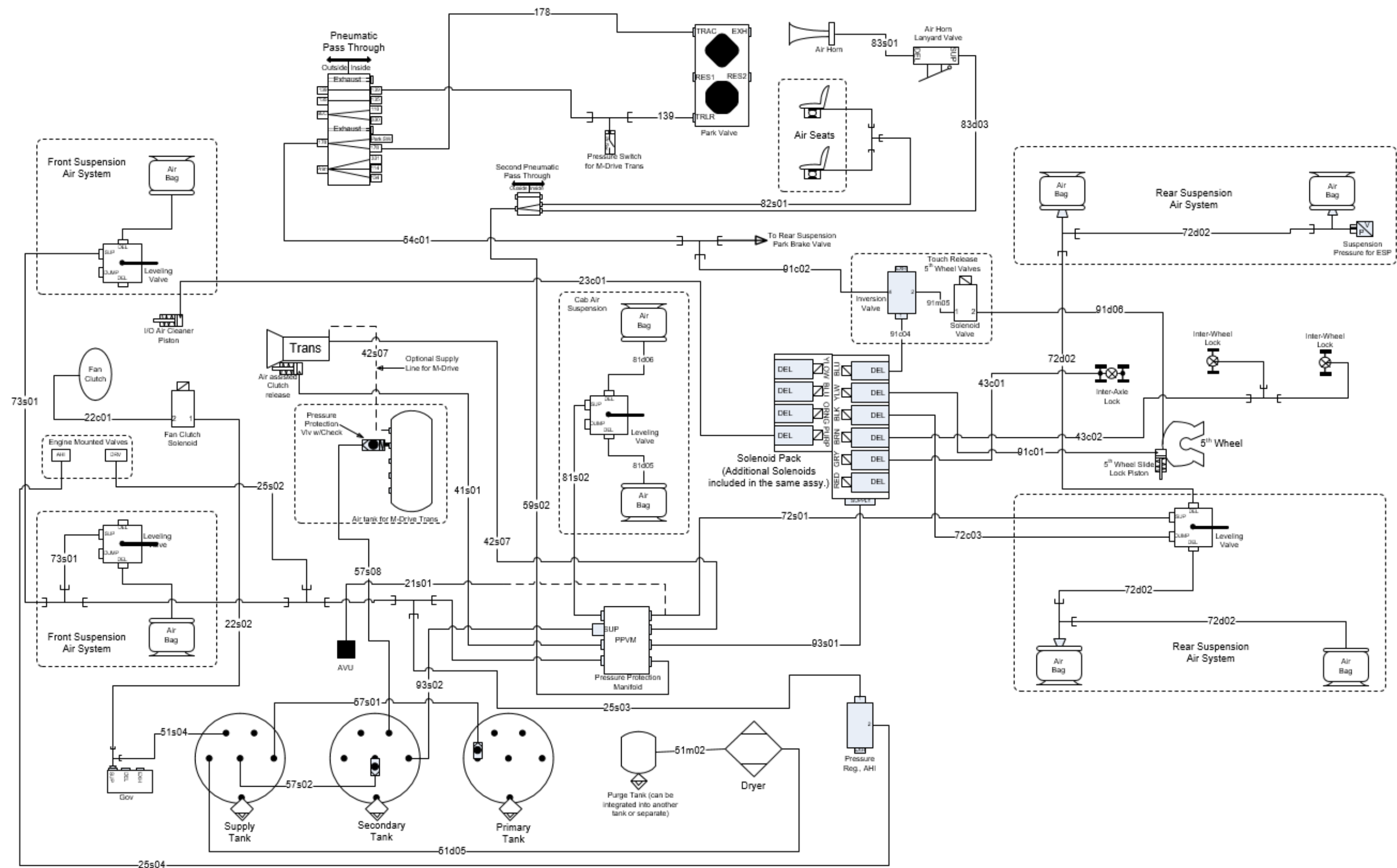
10 TRI-DRIVE BRAKE SYSTEM, WITH PARK INVERSION

This schematic is intended to mainly show the brake system for the Tri-Drive. Many Parts outside of the rear brake valves have been deleted for clarity and drawing space.

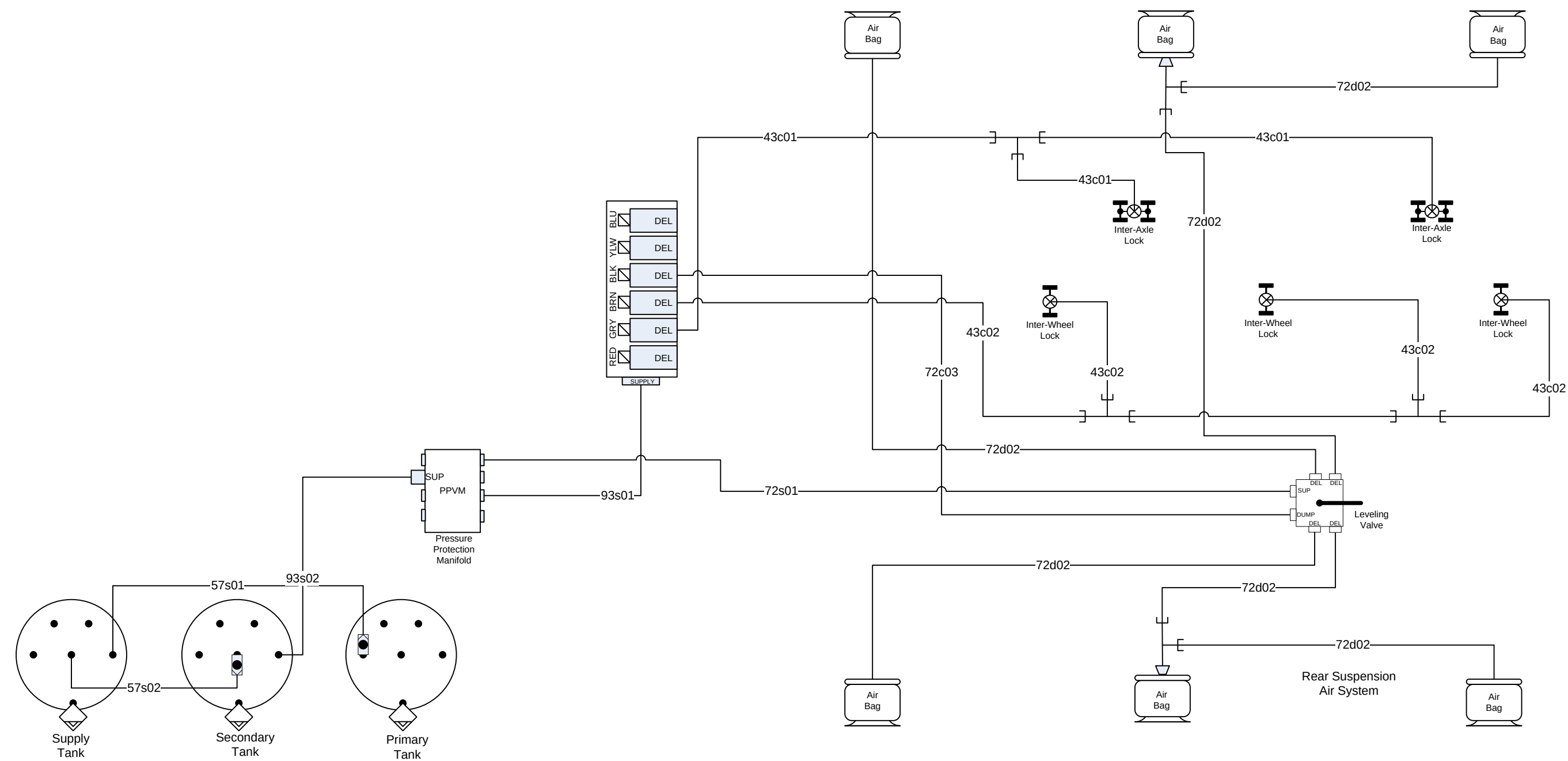


VOLVO Group Trucks Technology	Document Title SCHEMATICS			
	Document Type ASSEMBLY REQUIREMENTS			
	Document No	Issue Index	Volume No	Page No
	23833335	05	01	11(19)

11 AUXILARY SYSTEMS ON PRESSURE PROTECTED CIRCUIT

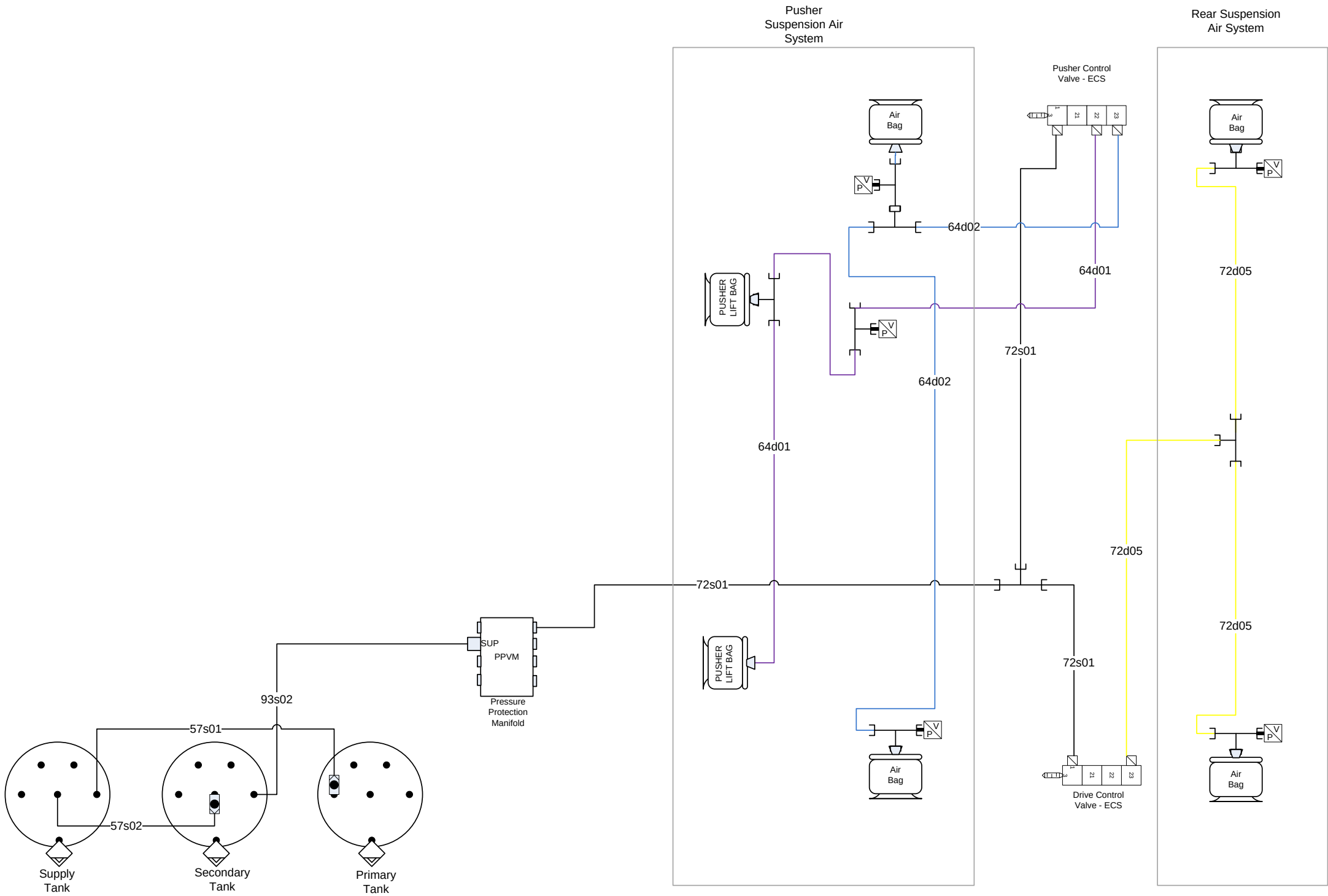


12 AUXILARY SYSTEMS ON PRESSURE PROTECTED CIRCUIT, TRI-DRIVE SUSPENSION



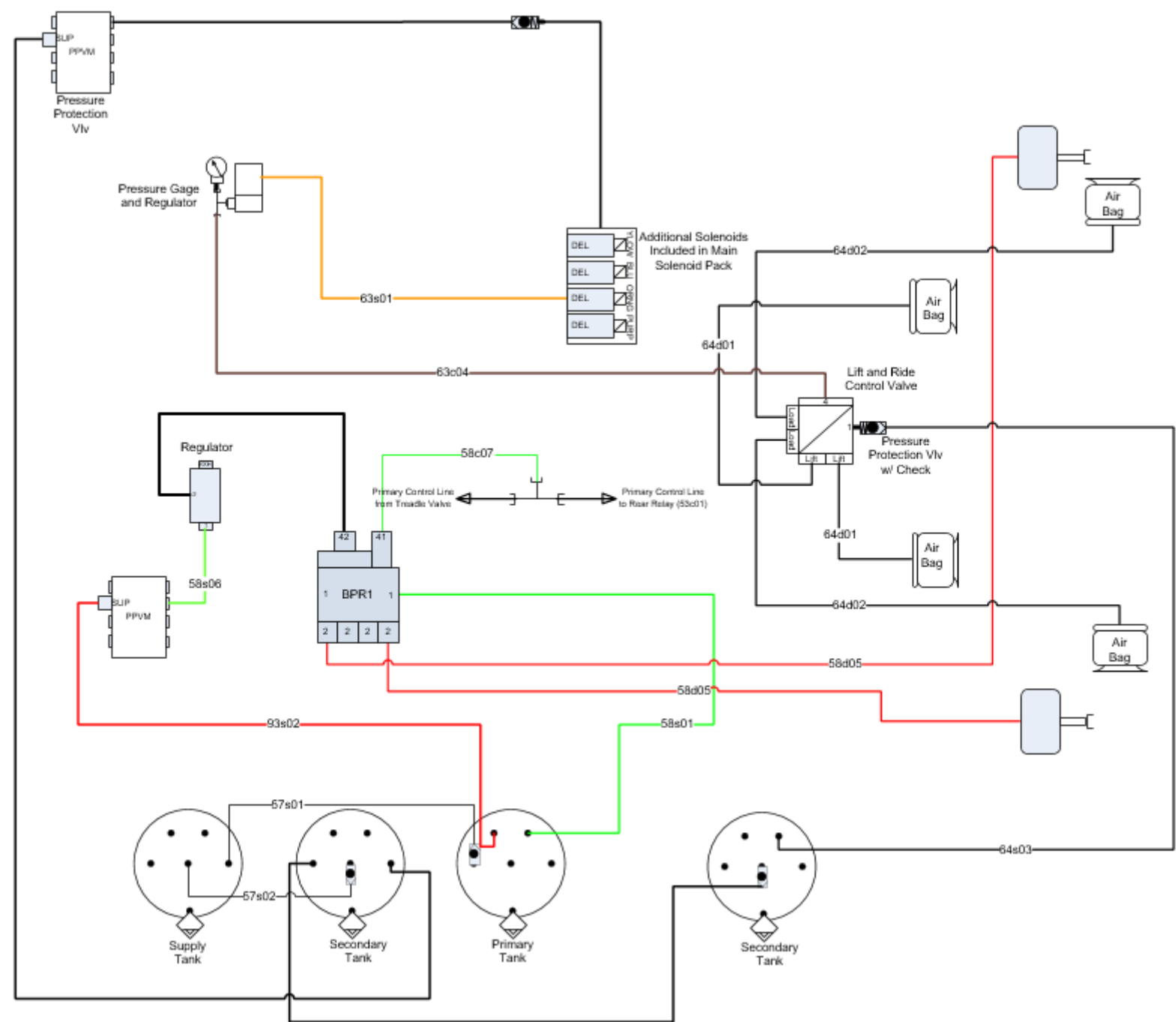
VOLVO Group Trucks Technology	Document Title			
	SCHEMATICS			
	Document Type			
	ASSEMBLY REQUIREMENTS			
Document No	Issue Index		Volume No	Page No
	23833335		05	01
				13(19)

13 AUXILARY SYSTEMS ON PRESSURE PROTECTED CIRCUIT, 6x2 SUSPENSION (PUSHER)

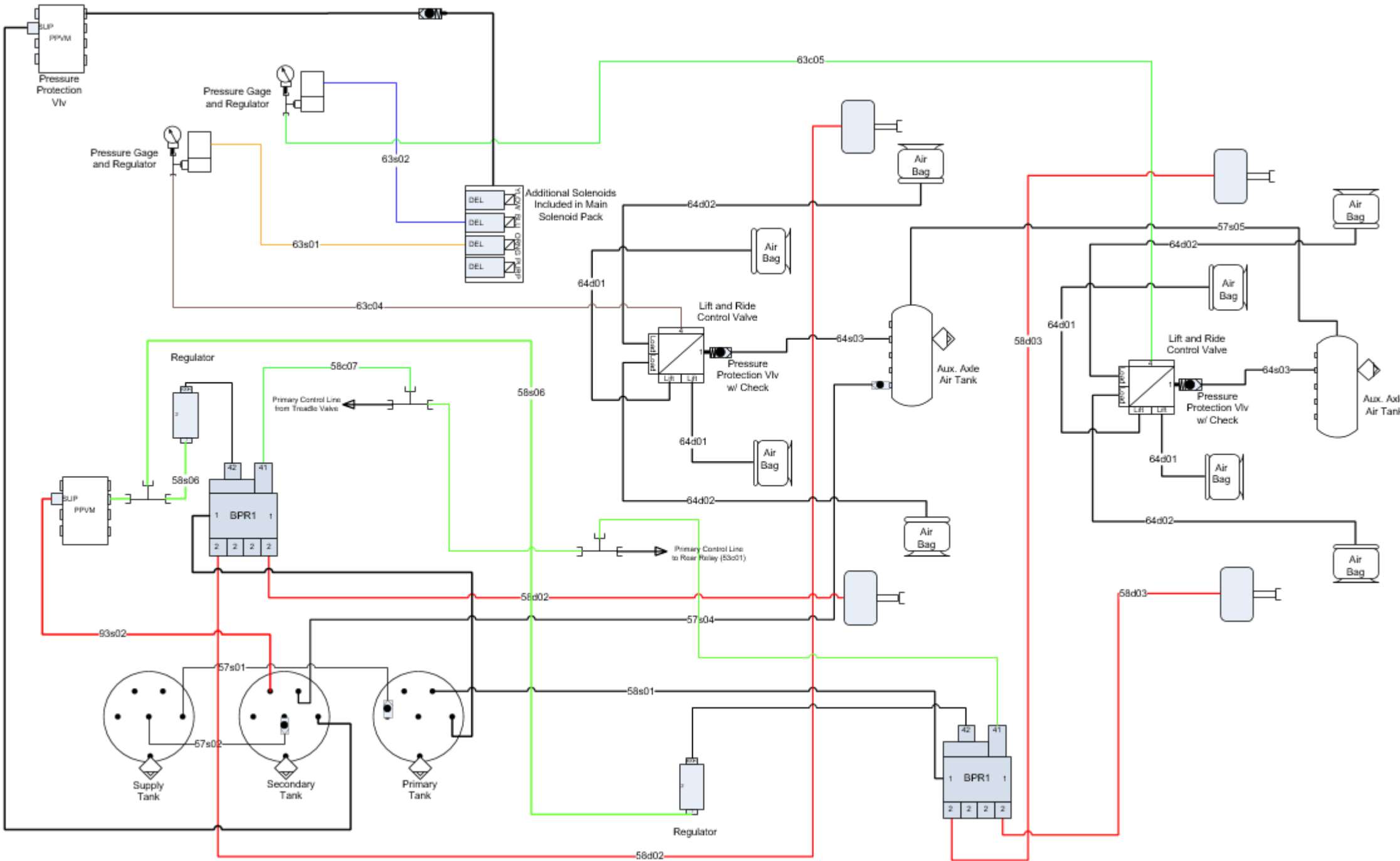


VOLVO Group Trucks Technology	Document Title SCHEMATICS			
	Document Type ASSEMBLY REQUIREMENTS			
Document No 23833335	Issue Index 05	Volume No 01	Page No 14(19)	

14 SINGLE PUSHER AXLE



15 TWO AUXILIARY AXLE PNEUMATICS



VOLVO Group Trucks Technology	Document Title SCHEMATICS			
	Document Type ASSEMBLY REQUIREMENTS			
	Document No	Issue Index	Volume No	Page No
	23833335	05	01	16(19)

16 AIR LINE NUMBERS AND DESCRIPTION

2. Engine with mounting and equipment		Color	Line Size (inches)
21 Exhaust Brake			
21s01	Air Supply to Engine Exhaust Brake	Black	3/8
22 Fan Clutch			
22c01	Fan Clutch Control, Solenoid to Clutch	Green	1/4
22s02	Fan Clutch Solenoid Supply	Green	1/4
23 Air Cleaner			
23c01	Air Cleaner Intake Control	Purple	1/4
25 Emissions Control			
25s01	Diesel Particulate Filter Atomizer Block Supply	Red	1/2
25s02	DRV Valve Supply	Black	1/4
25s03	AHI Regulator Valve Supply	Tan	1/4
25d04	AHI Regulator Valve Delivery to Intector Air Pipe	White	1/4
3. Electrical Lighting and Instruments		Color	Line Size (inches)
31 Switches			
31c01	Stop Light Switch Control	Black	1/4
31m02	Primary/Secondary Jumper	Grey	3/8
31m03	Hand Control Jumper	Grey	3/8
32 Gauges			
32m01	Rear bellows gauge pressure	Purple	1/4
32m02	Front bellows gauge pressure	Brown	1/4
32m03	Primary Tank Pressure	Green	1/4
32m04	Secondary Tank Pressure	Red	1/4
32m05	Primary brake pressure	Green	1/4
32m06	Secondary brake pressure	Red	1/4
32m07	Rear Rear bellows pressure	Orange	1/4
32m08	ESP Rear suspension pressure	Purple	1/4
4. Power Transmission		Color	Line Size (inches)
41 Clutch			
41s01	Clutch air assissupply	Yellow	3/8
41c02	Neutral Switch	Red	1/4
42 Gearbox			
42s01	Gearbox air shift	Black	3/8
42s07	Transmission Supply	Black	5/8, 1/2
43 Rear Axles			
43c01	Inter Axle Lock (Diff Axles)	Grey	1/4
43c02	Inter Wheel Lock (Diff Axles)	Brown	1/4
44 Power Take Off (PTO)			
44d01	PTO Solenoid delivery		1/4
44s02	PTO Solenoid supply	Orange	1/4

55 Trailer Brake			
55c01	Hand Control from Cab	Grey	3/8
55c02	Spring Brake Control from Cab	Brown	3/8
55c03	Primary Control from Treadle	Green	1/2
55c04	Secondary Control from CPC or Treadle	Red	3/8
55c24	Service Brake Trailer Connection	Blue	1/2
55s25	Park Control Trailer Connection	Red	1/2
57 Air Tanks			
57s01	Primary Tank Supply	Black	1/2
57s02	Secondary Tank Supply	Black	1/2
57s03	8x6 Air Tank Supply	Green	5/8
57s08	Transmission Air Tank Supply	Red	1/2
58 Aux Axle Service Brakes			
58s01	BPR1 Supply Second Aux Axle from first drive	Green	1/2
58s02	Primary Supply to T for 10x4	Green	1/2
58s03	Primary Supply to first Aux Axle from first drive	Green	1/2
58d04	Delivery from BPR1 to second aux axle from first drive	Red	1/2
58d05	Delivery from BPR1 to first aux axle from first drive	Red	1/2
58s06	Regulator Supply	Blue	3/8
59			
59s02	Air Manifold to Cab	Black	1/4
63 Aux Axle Regulator			
63s01	Regulator Supply	Orange	1/4
63s02	Regulator Supply	Blue	1/4
63s03	Regulator Control	Brown	3/8
63s04	Regulator Control	Green	3/8
64 Aux Axle Lift/Ride Control			
64d01	Aux Axle Lift bag control	Blue	3/8
64d02	Aux Axle Ride Bag Control	Black	1/2
64d03	Lift and Ride Bag Valve Supply	Black	1/2
7. Frame, Springs, damping, and wheels		Color	Line Size (inches)
72 Air Suspension rear axle(s)			
72s01	Leveling Valve Supply from PPV	Black	3/8
72d02	Air Bellow Pressure from Tee to Cab	Purple	3/8
72c03	Rear Suspension Dump from Solenoid Pack	Black	1/4
64d02	Front-rear Bellows Pressure 6x2 to Cab	Blue	3/8
72d05	Rear Rear Bellows Pressure 6x2 to Cabl	Yellow	5/8
72d11	Front-Rear Bellows to Rear-Rear Bellows	Blue	3/8
73 Air Suspension front axle(s)			
72s01	Leveling Valve Supply from PPV	Black	1/4
72d02	Air Bellow Pressure (Left) from Leveling Valve	Yellow	1/4
73d08	Air bellow Pressure (Left) from Tee to Cab	Yellow	1/4

 Group Trucks Technology	Document Title			
	SCHEMATICS			
	Document Type			
	ASSEMBLY REQUIREMENTS			
	Document No	Issue Index	Volume No	Page No
	23833335	05	01	17(19)

5. Brake		Color	Line Size (inches)
51 Compressor, regulator, anti-freeze unit			
51d01	Delivery from the compressor		Hose
51m02	Air Dryer to Purge Tank	Blue	3/8
51c03	Compressor Unload from Governor	Blue	1/4
51s04	Governor Supply from Wet Tank	Yellow	3/8
51d05	Air Dryer to Wet Tank	Blue	5/8
51c01	Air Dryer Purge Control from Governor	Blue	1/4
52 Front Circuit			
52c01	Foot Brake Valve to QRV/Tee (BSYS-CON)	Red	1/2
52c03	Redundant Rear Control	Brown	3/8
52c04	CPC Relay to ABS Modulator	Black	5/8
52d04	QRV/Relay to ABS modulator	Red	1/2
52d05	ABS modulator to brake chamber	Rubber Hose	1/2
52s12	CPC relay supply	Orange	5/8
52s13	Front circuit foot brake valve supply	Red	5/8
52m17	Foot brake valve to front circuit pressure sensor	Red	3/8
52d18	Tee to ABS mod LHS	Red	1/2
52d19	Tee to ABS mod RHS	Red	1/2
52d20	Foot Valve to CPC DCV supply port	Orange	5/8
52s23	Foot brake valve to pass through supply to park val	Red	3/8
52m24	Foot brake valve to SLS DCV, Rigid only	Grey	3/8
52c26	Hillstart/Grade Gripper to ATR-6 control port	Yellow	1/4
52c27	Hillstart/Grade Gripper Exhaust to Engine compart	Purple	3/8
53 Rear Circuit			
53c01	Rear service relay control from Treadle valve	Green	1/2
53c02	SBHC control From Cab to Treadle DCV	Grey	3/8
53d05	Anti-compounding or inversion relay from rear rela	Green	3/8
53d10	ABS Modulators to Brake Changes	Black/Green/Red	5/8
53s11	Service Relay Supply from Air Tank	Green	3/4
53s13	Treadle Valve Supply for Rear Circuit from Air Tank	Green	5/8
53m18	SBHC Jumper	Grey	3/8
53m19	SBHC Jumper 2	Grey	3/8
53m21	Treadle Valve to SLS DCV, Rigid Only	Grey	3/8
53s22	Treadle Valve to Pass Through Supply to Park Valve	Green	3/8
53c27	From R14 Balance port to delivery CPC ATR-6 or cab exhaust	Yellow	3/8
54 Parking Brake			
54c01	Tractor Spring Brake Control	Orange	3/8
54s09	Inversion Relay Secondary Supply	Red	1/2
54s10	Inversion Relay Primary Supply	Red	1/2
54c19	Secondary constrol from treadle to inversion relay	Red	3/8
54d21	Park Valve to Joint Fitting, LHS	Black	1/2
54d22	Park Valve to Joint Fitting, RHS	Black	1/2

VOLVO Group Trucks Technology	Document Title			
	SCHEMATICS			
	Document Type			
	ASSEMBLY REQUIREMENTS			
	Document No	Issue Index	Volume No	Page No
	23833335	05	01	18(19)

8. Cab		Color	Line Size (inches)
81 Cab Suspension			
81s02	PPV Manifold to Cab Leveling Valve, Rear	Green	1/4
81d05	Cab Leveling Valve (Rear) to Rear Bellows LHS	Black	1/4
81d06	Cab Leveling Valve (Rear) to Rear Bellows RHS	Black	1/4
82 Seat Suspension			
82s01	Seat Suspension Supply from PPV	Black	1/4
83 Seat Suspension			
83s01	Solenoid Valve Pack to Air Horn	Red	1/4
83d03	Auxiliary Manifold to Air Horn Lanyard	Black	1/4

9. Miscellaneous, special functions		Color	Line Size (inches)
91 Fifth Wheel			
91c01	5th Wheel Slide from Solenoid Pack	Yellow	1/4
91c02	Touch Release Park Signal from Rear park Control T	Orange	1/4
91d03	Touch Release Piston Control from 2nd Selonoid	Grey	3/8
91c04	Inversion Supply from 1st Solenoid	Blue	1/4
91m05	2nd Solenoid jumper from Inversion Valve	Blue	3/8
93 Miscellaneous			
93s01	Solenoid Valve Pack Supply from PPV	Orange	3/8
93s02	PPV Manifold Supply from Secondary Air Tank	Red	1/2

9. Miscellaneous Indside Cab		Color	Line Size (inches)
110	Secondary Tank Supply, Cab Pass Through to Dash V	Red	3/8
114	Primary Tank Supply, Cab Pass Through to Dash Val	Green	3/8
134	Supply to Hand Control Valve from Cab Pass Throug	Green	3/8
135	Delivery from Hand Control Valve to Cab Pass Throu	Grey	3/8
136	Exhaust from Hand Control Valve to Cab Pass Throu	Yellow	1/4
139	Dash Valve Delivery to Cab Pass Through, Trailer Spring Brake Control	Brown	3/8
178	Dash Valve Delivery to Cab Pass Through, Tractor Spring Brake Control	Orange	3/8

-  - Pressure Transducer
-  - Pressure Switch