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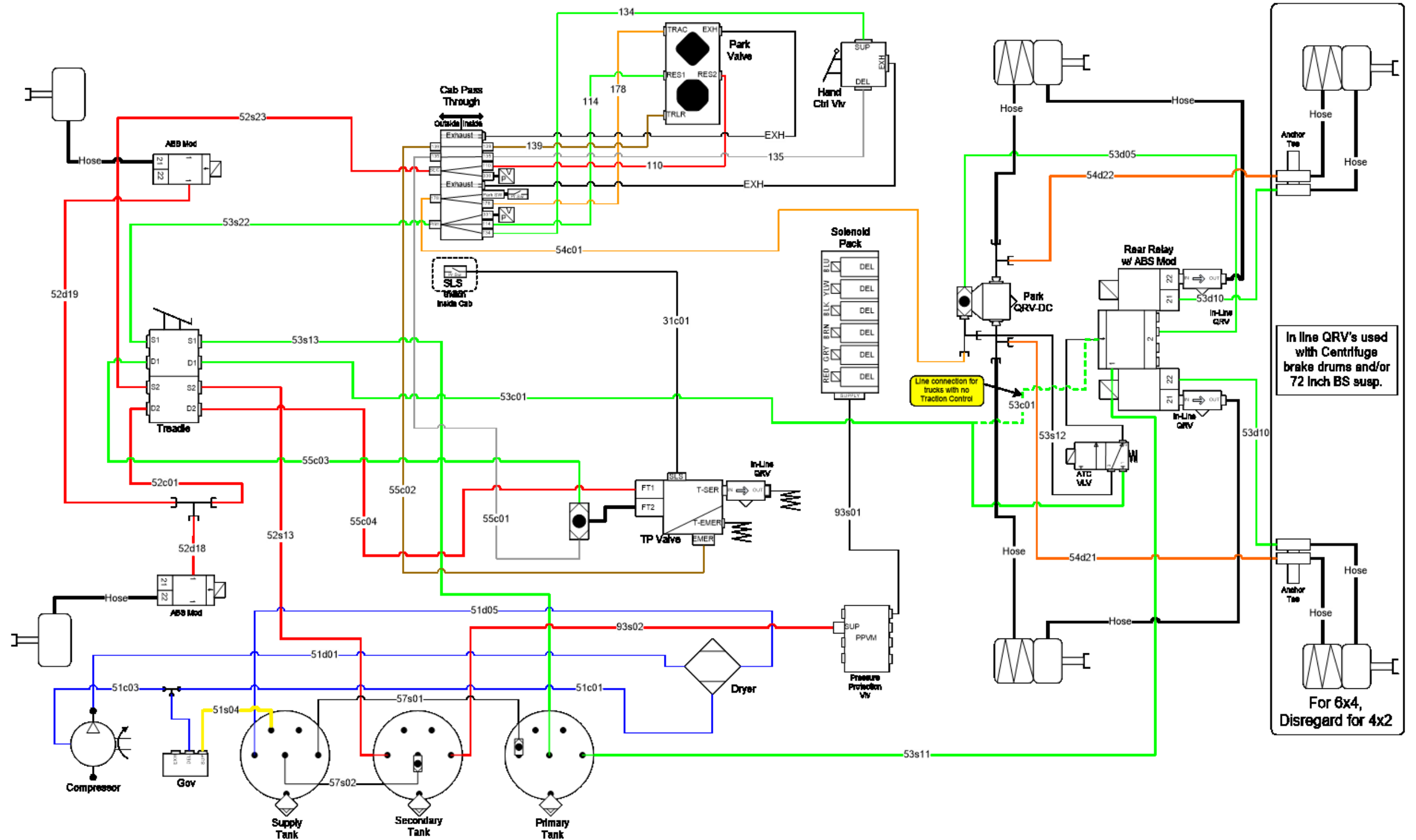
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1 Highway Tractor



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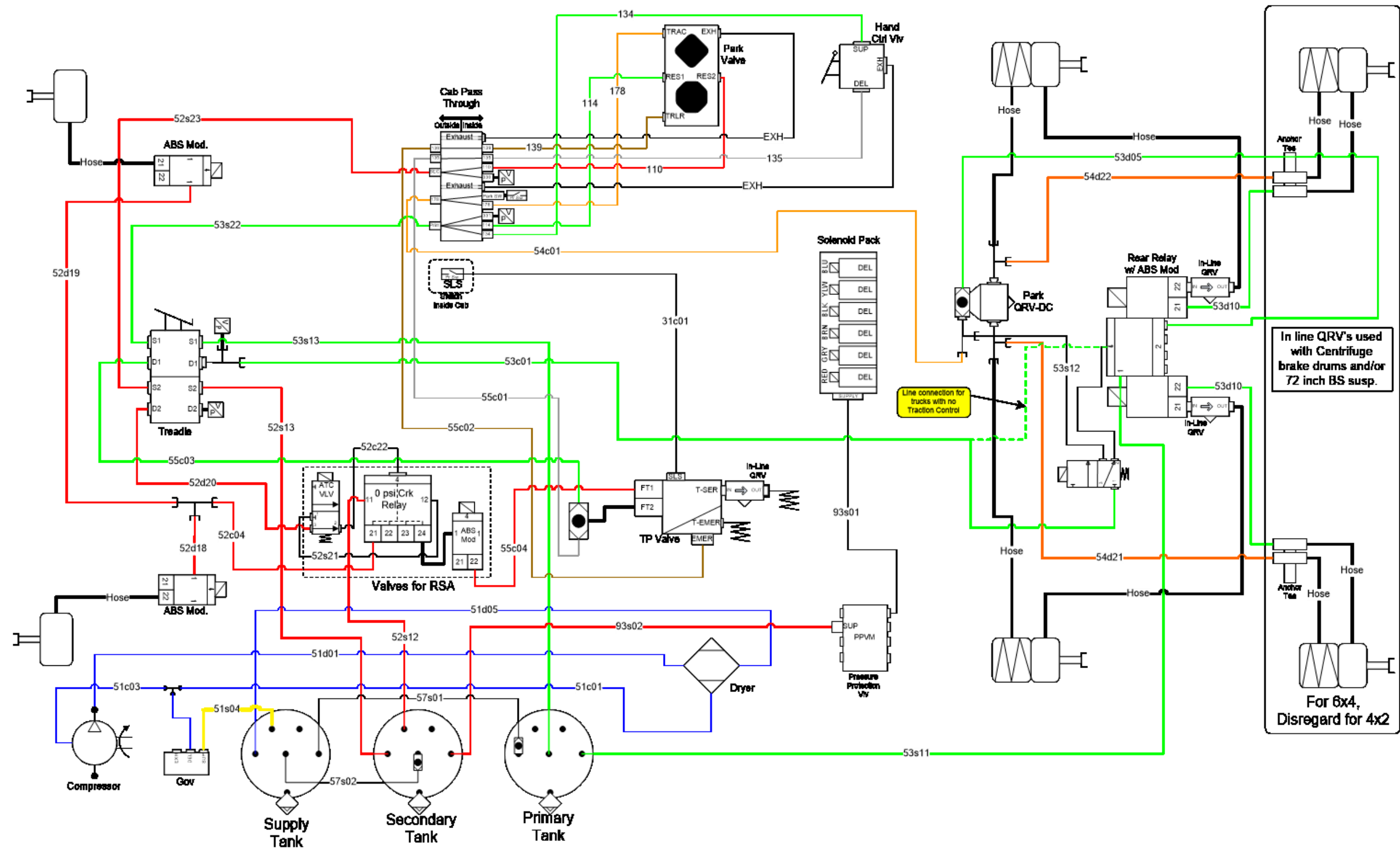
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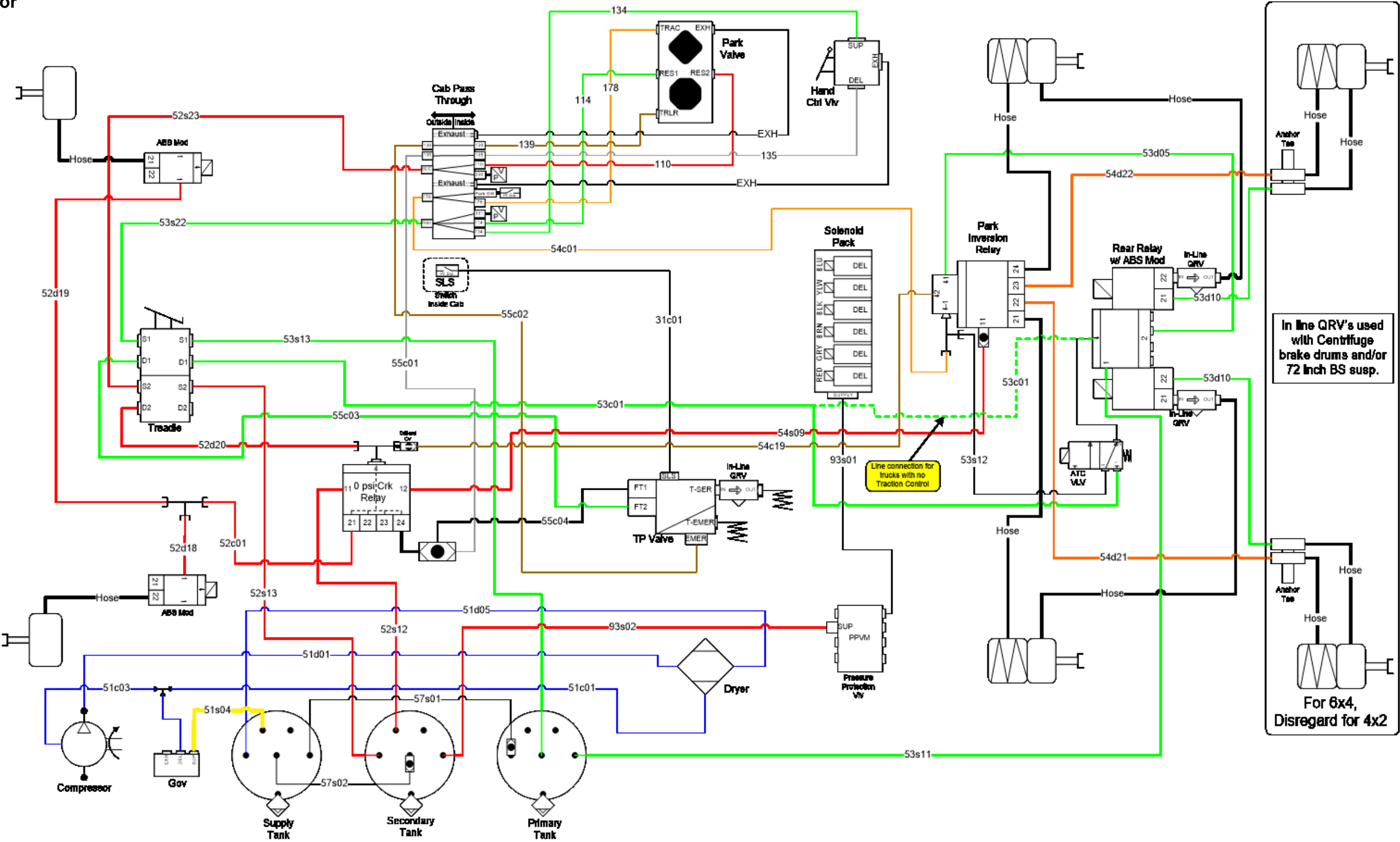
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2 Highway Tractor with RSA



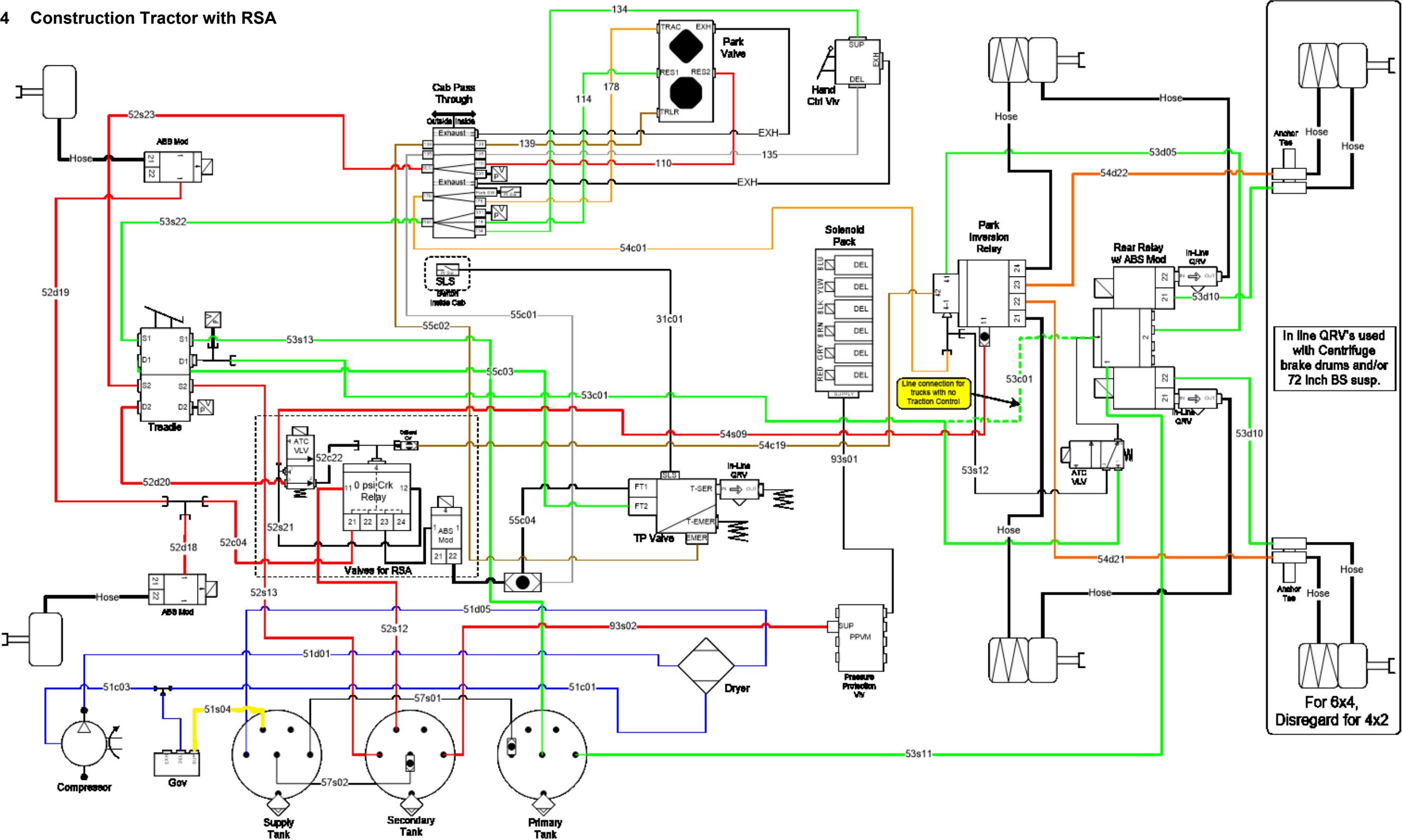
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3 Construction Tractor



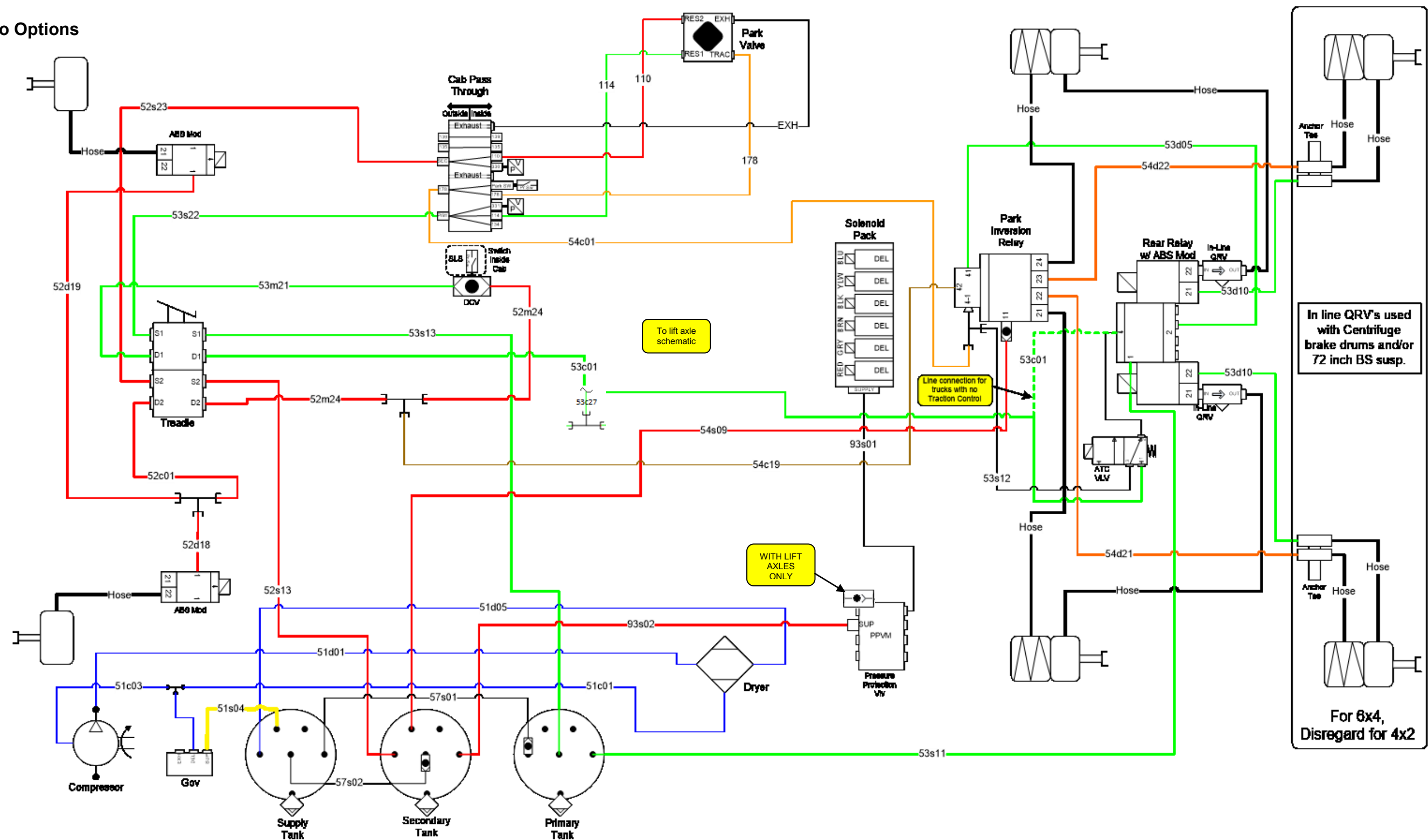
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4 Construction Tractor with RSA



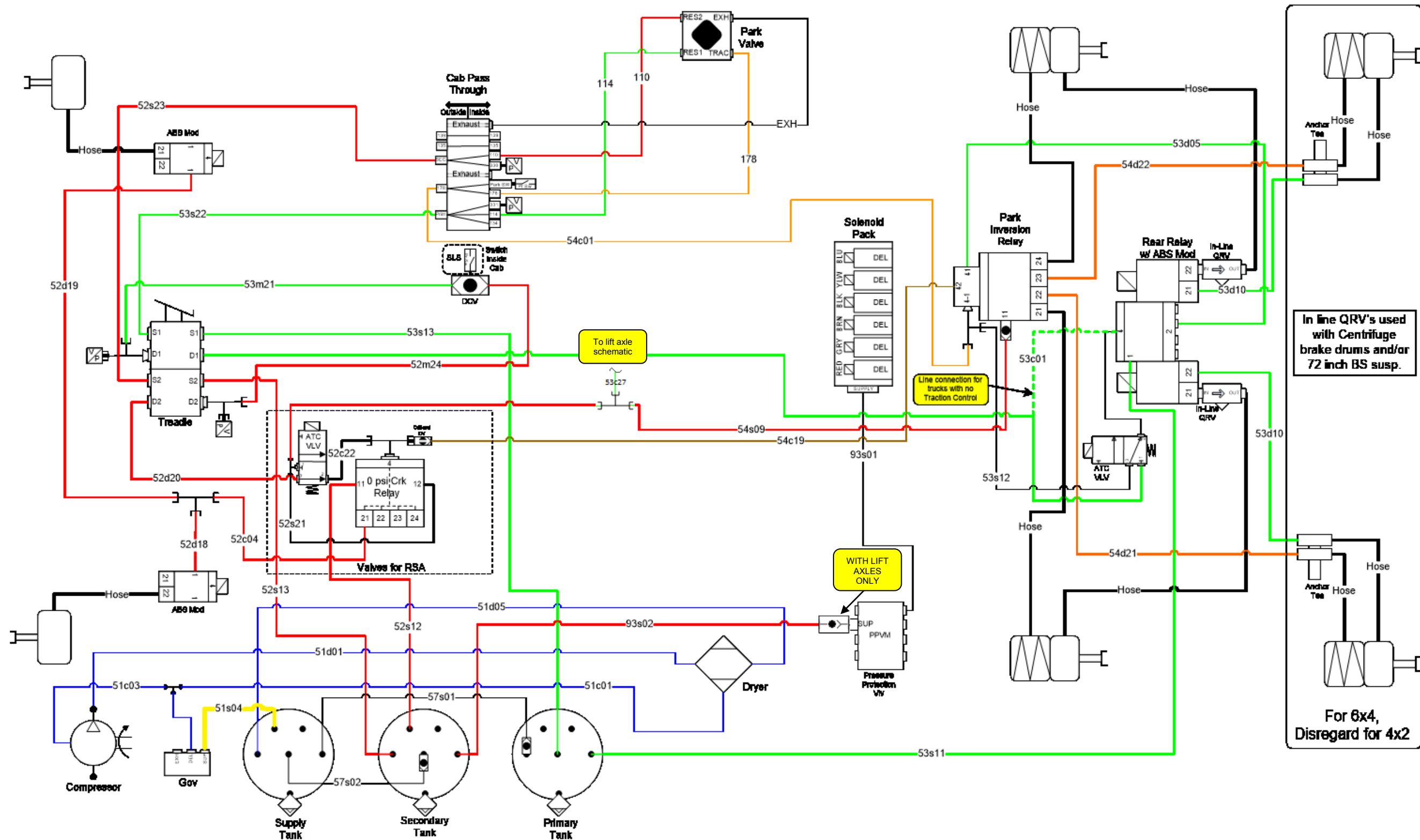
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5 Rigid with no Options



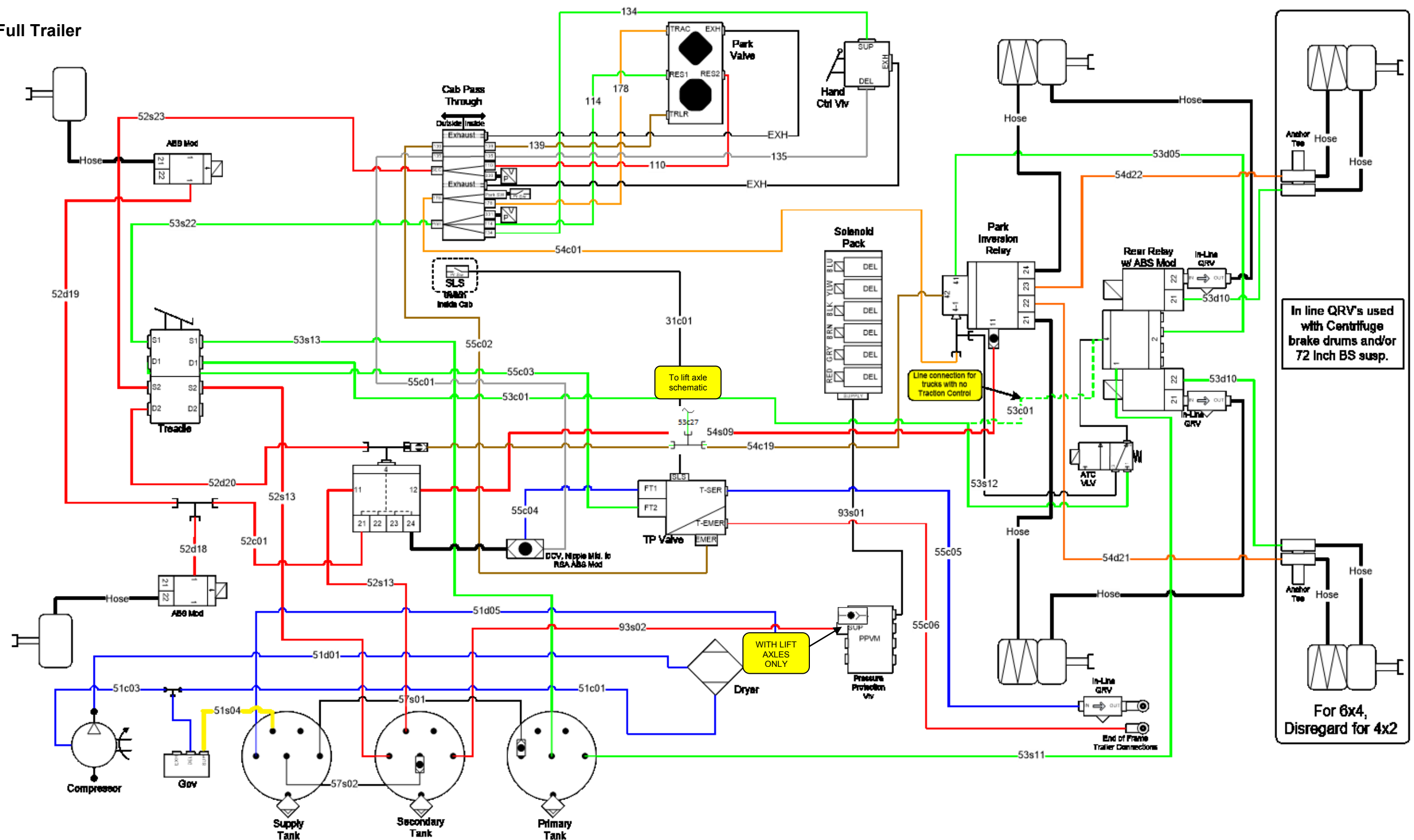
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6 Rigid with RSA



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7 Rigid with Full Trailer

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Issue

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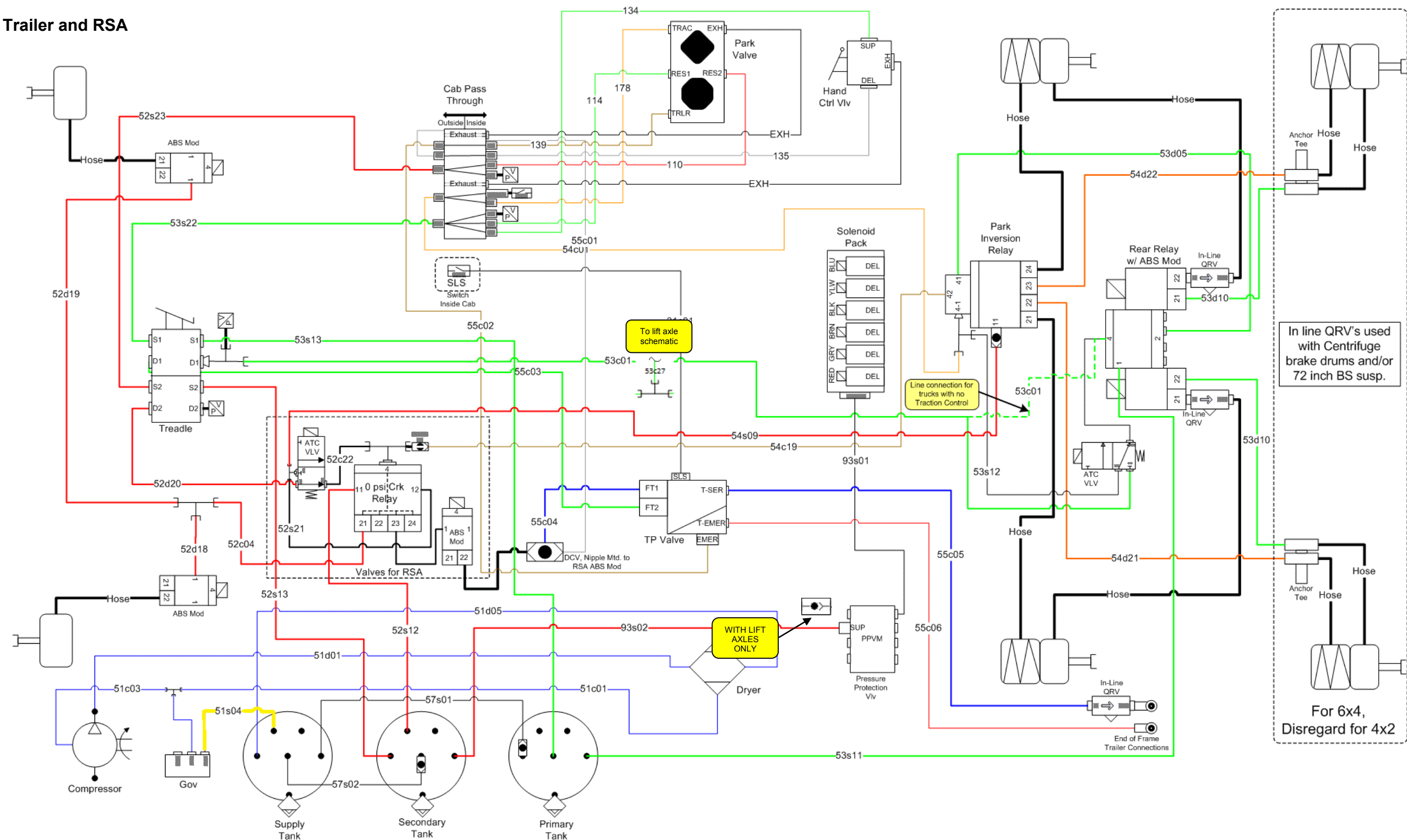
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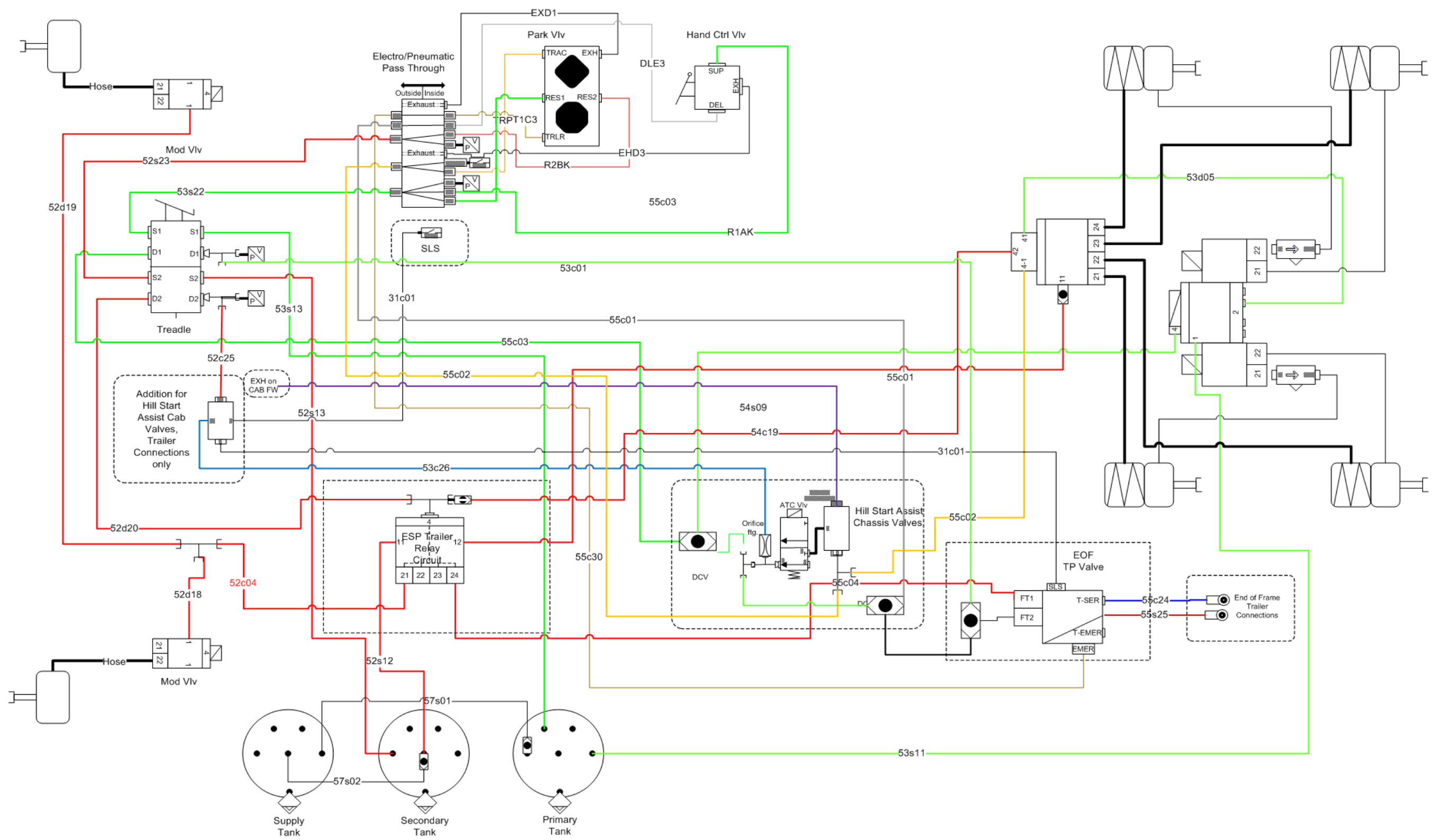
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8 Rigid with Full Trailer and RSA

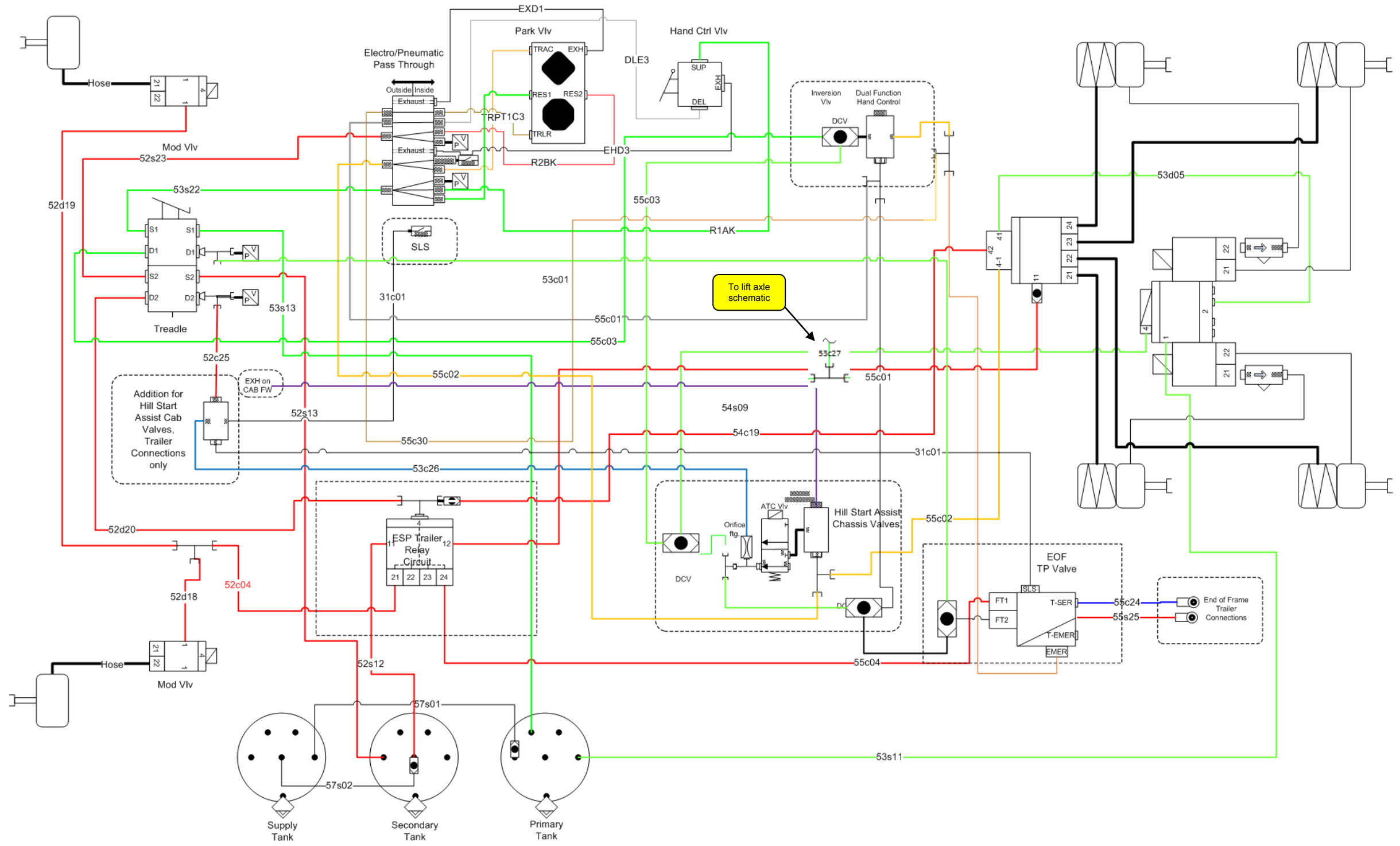


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9 Rigid with Full Trailer, SBHC, and Hillstart

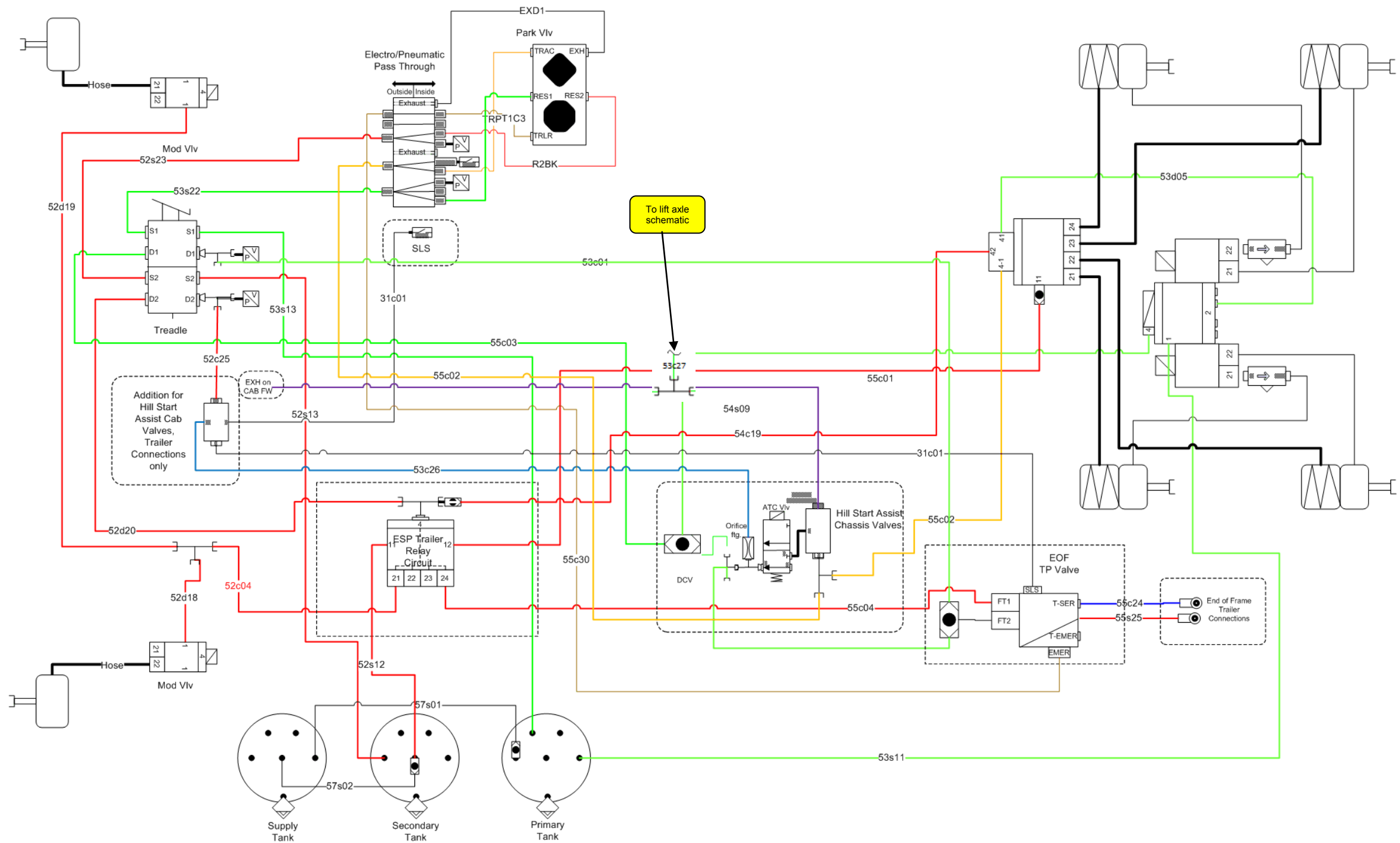


10 Rigid with Full Trailer, DBHC, and Hillstart



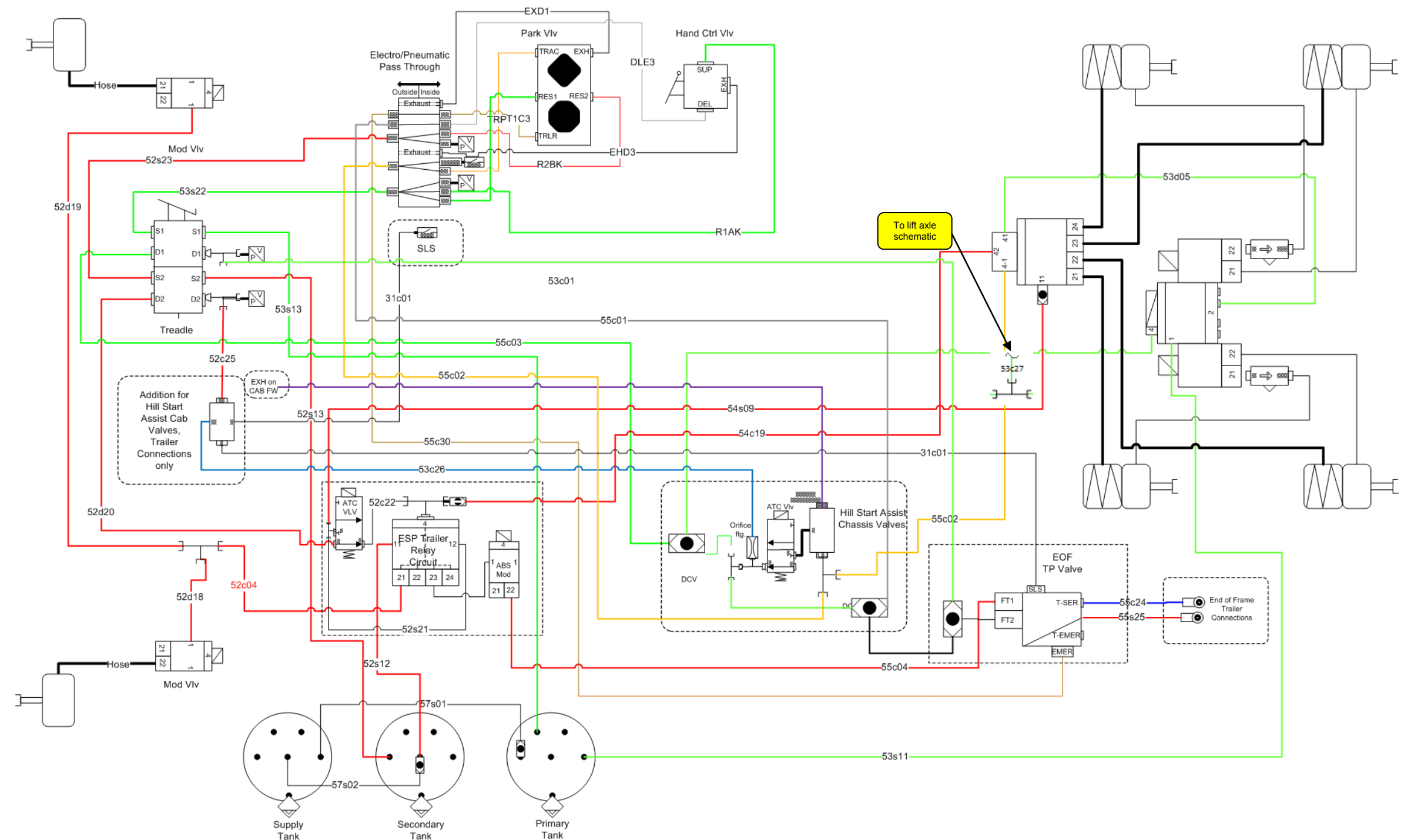
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11 Rigid with Full Trailer, UBHC, and Hillstart

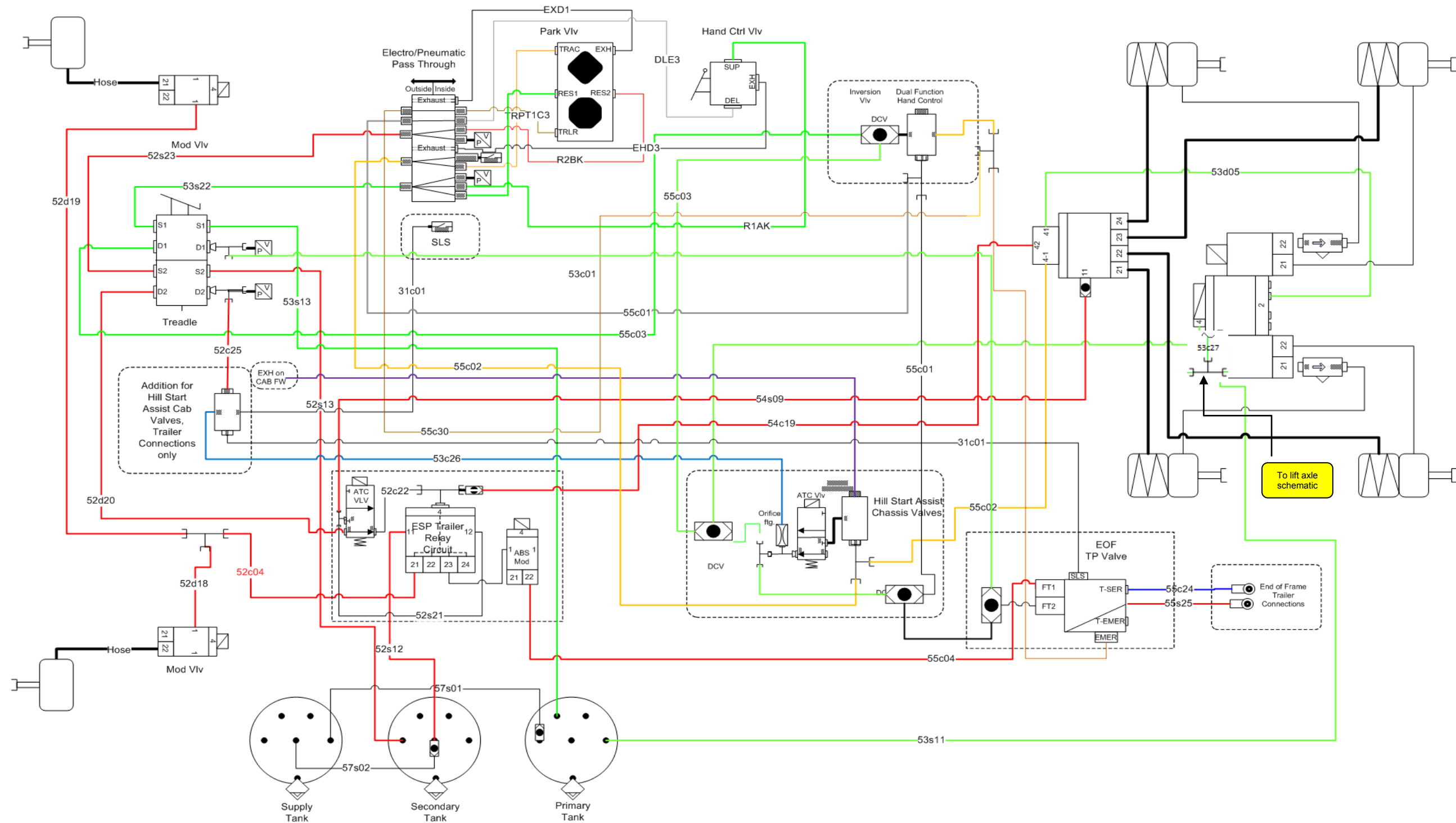


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12 Rigid with Full Trailer, SBHC, RSA, and Hillstart



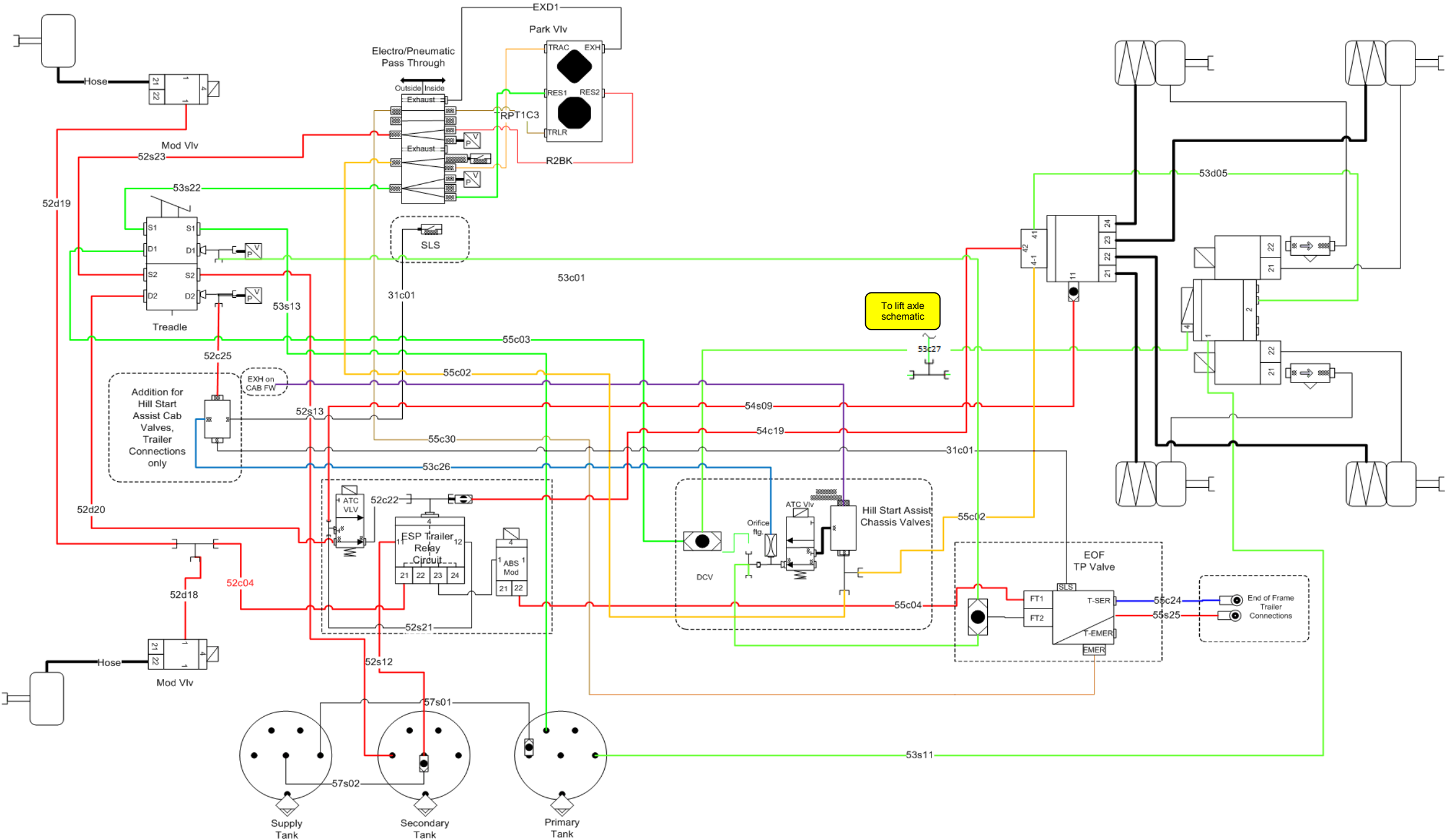
13 Rigid with Full Trailer, DBHC, RSA, and Hillstart



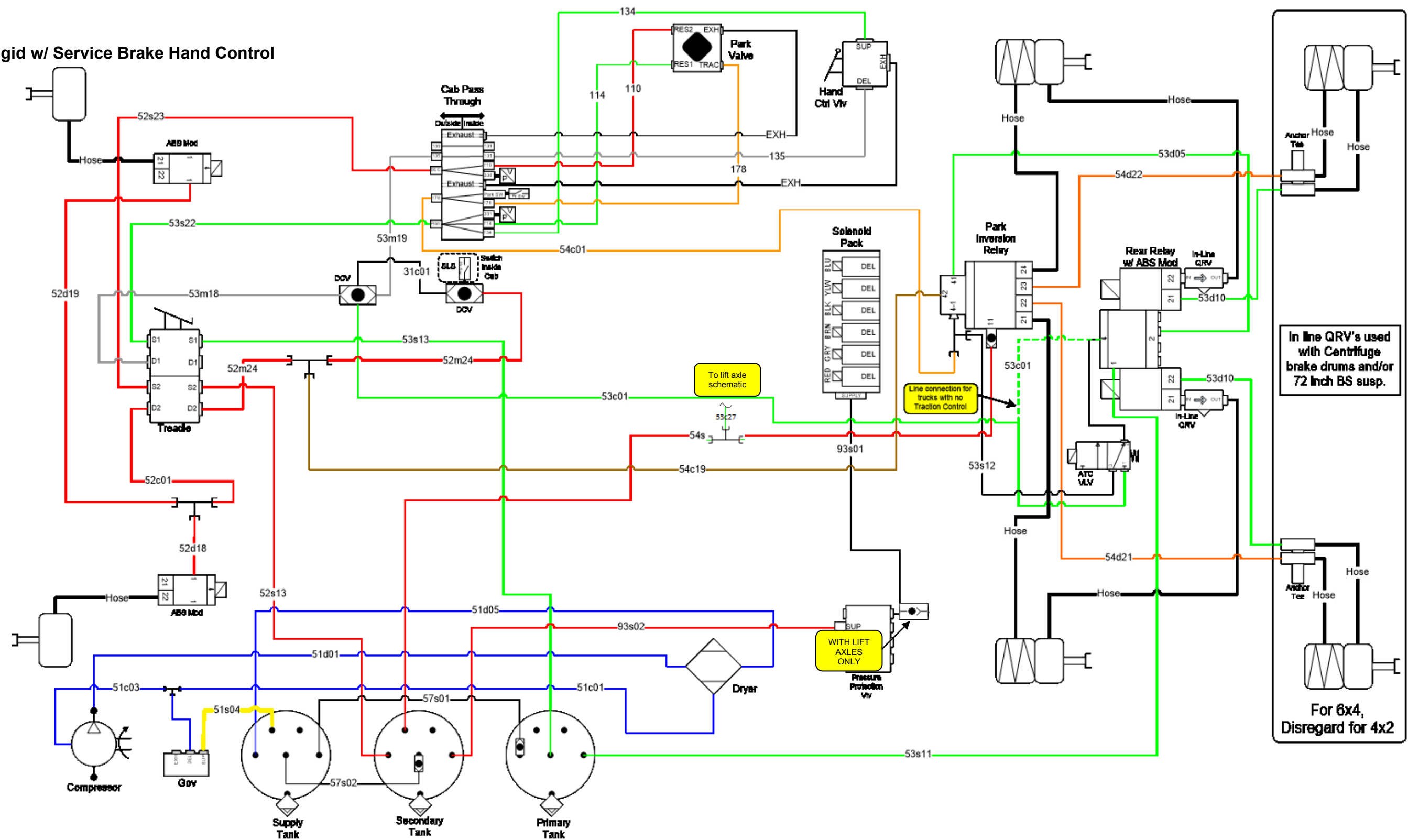
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14 Rigid with Full Trailer, UBHC, RSA, and Hillstart



15 Rigid w/ Service Brake Hand Control



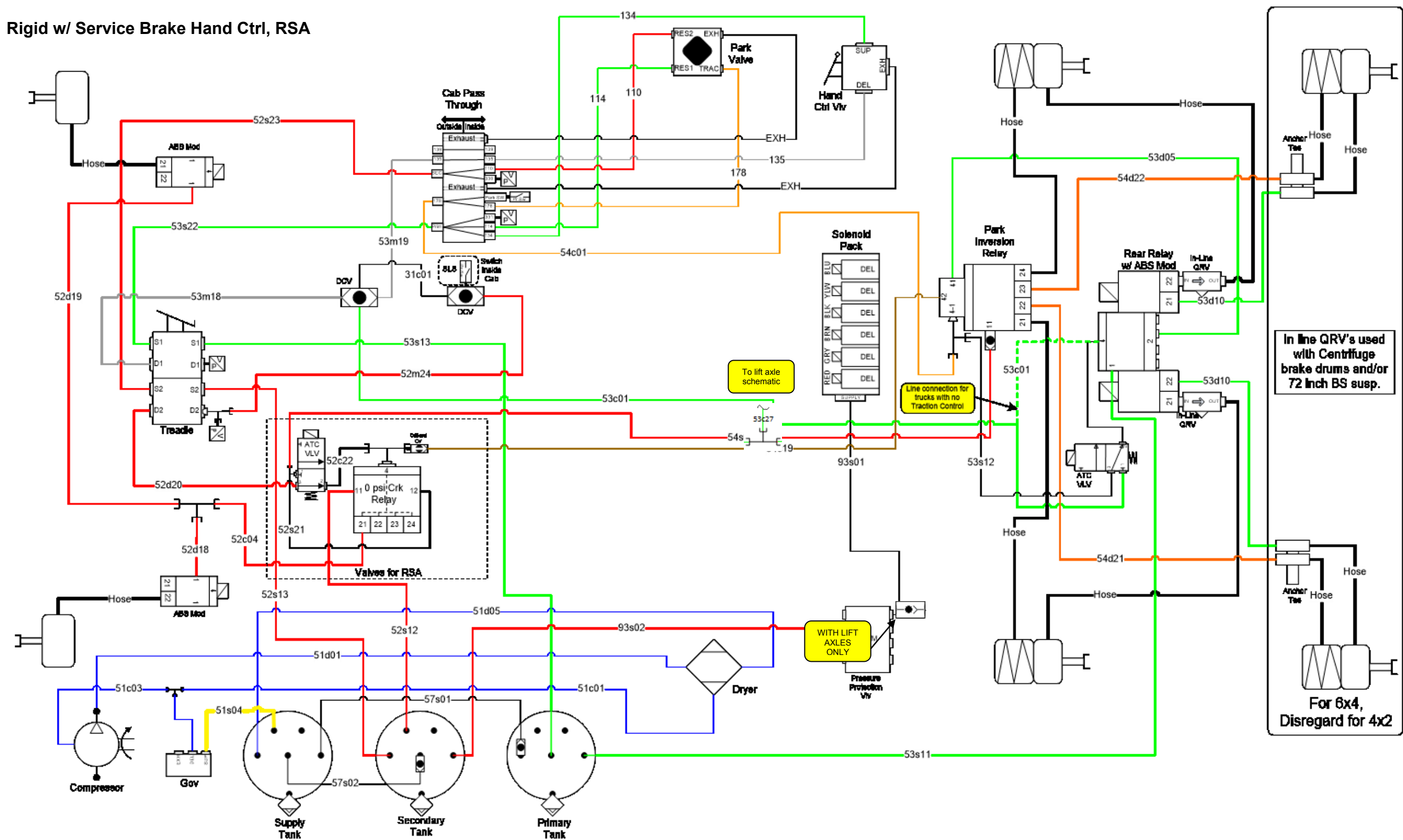
**In line QRV's used
with Centrifuge
brake drums and/or
72 inch BS susp.**

For 6x4,
Disregard for 4x2

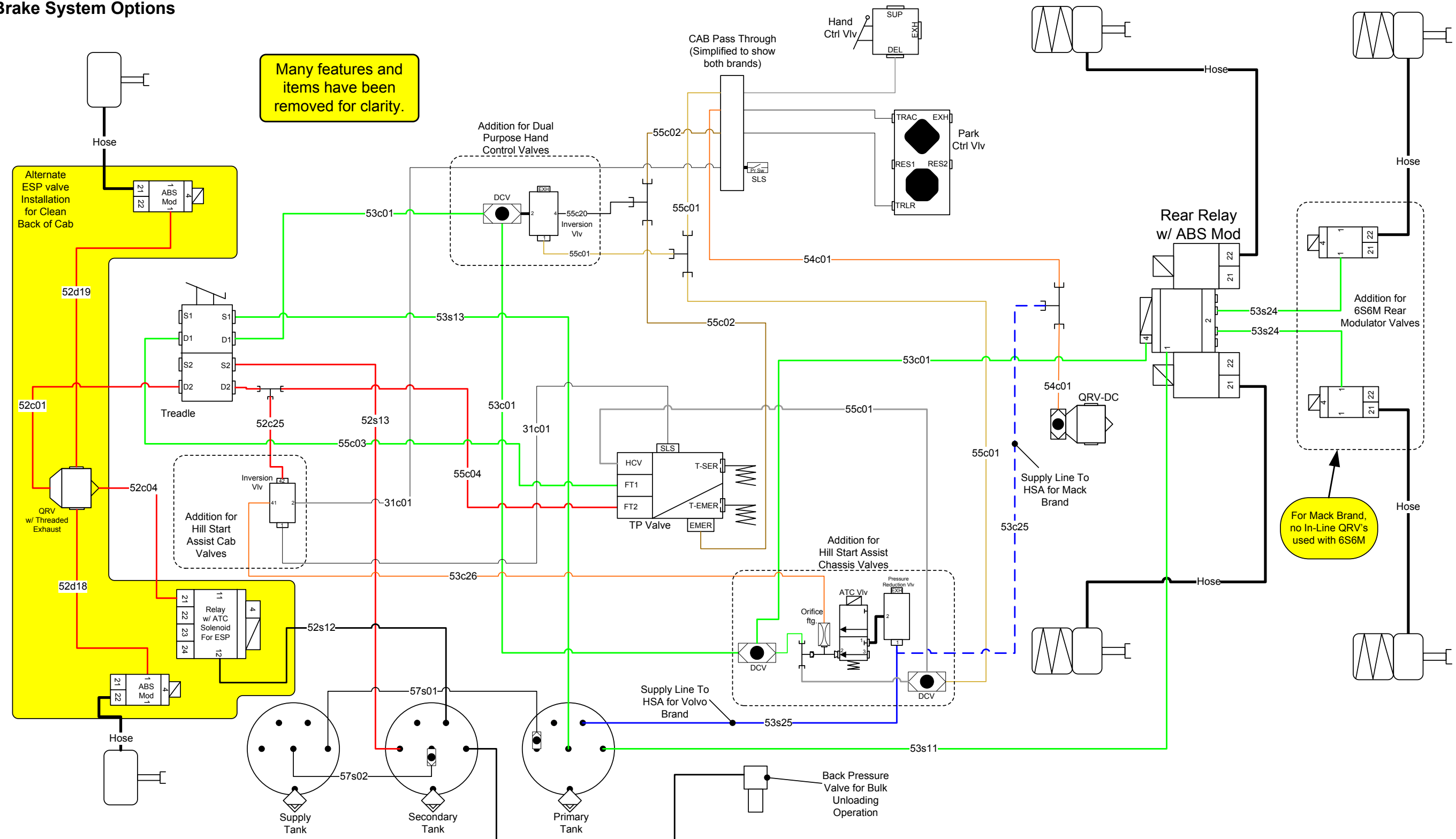
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16 Rigid w/ Service Brake Hand Ctrl, RSA



17 Brake System Options

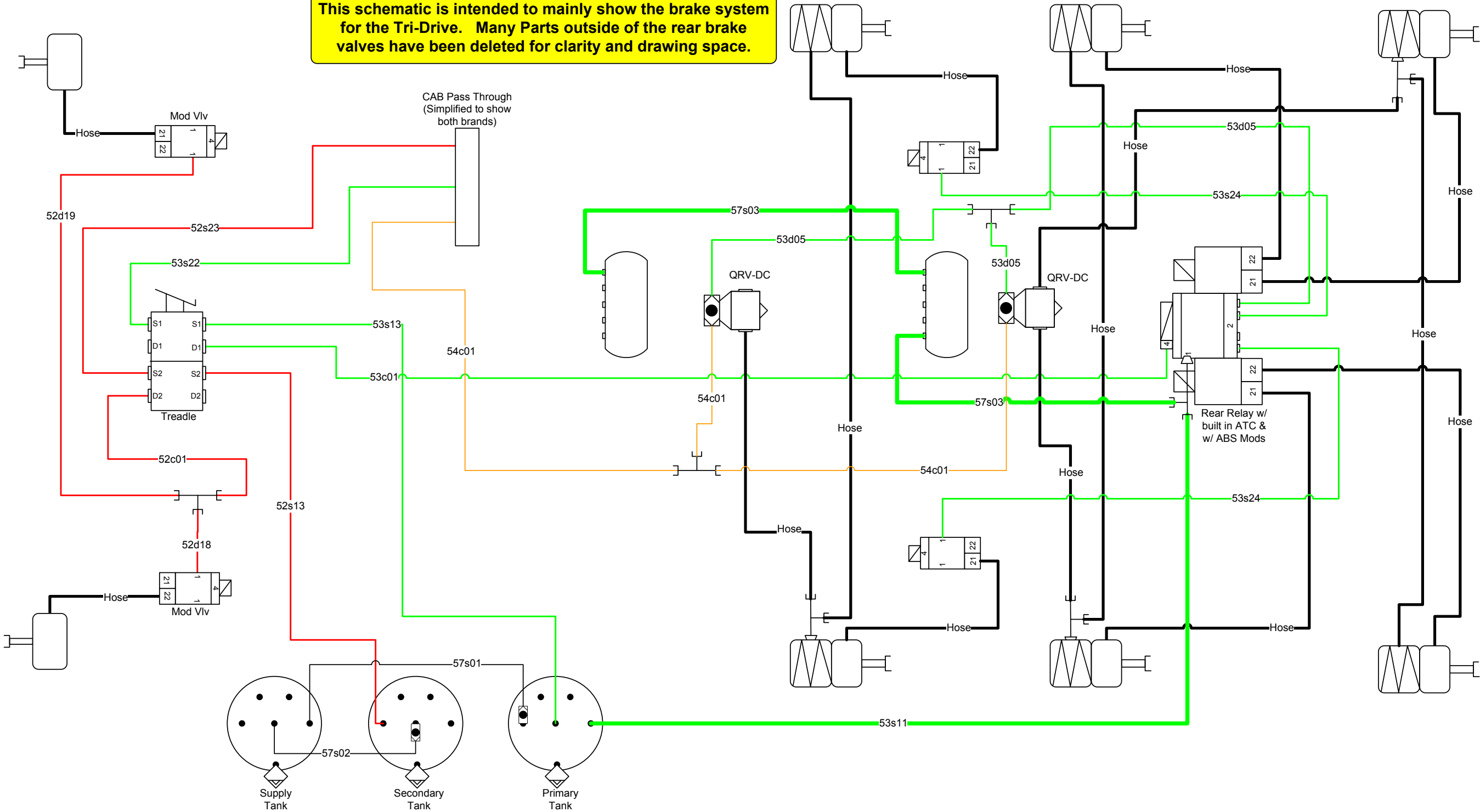


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18 Tri-Drive Brake System, Highway Tractor

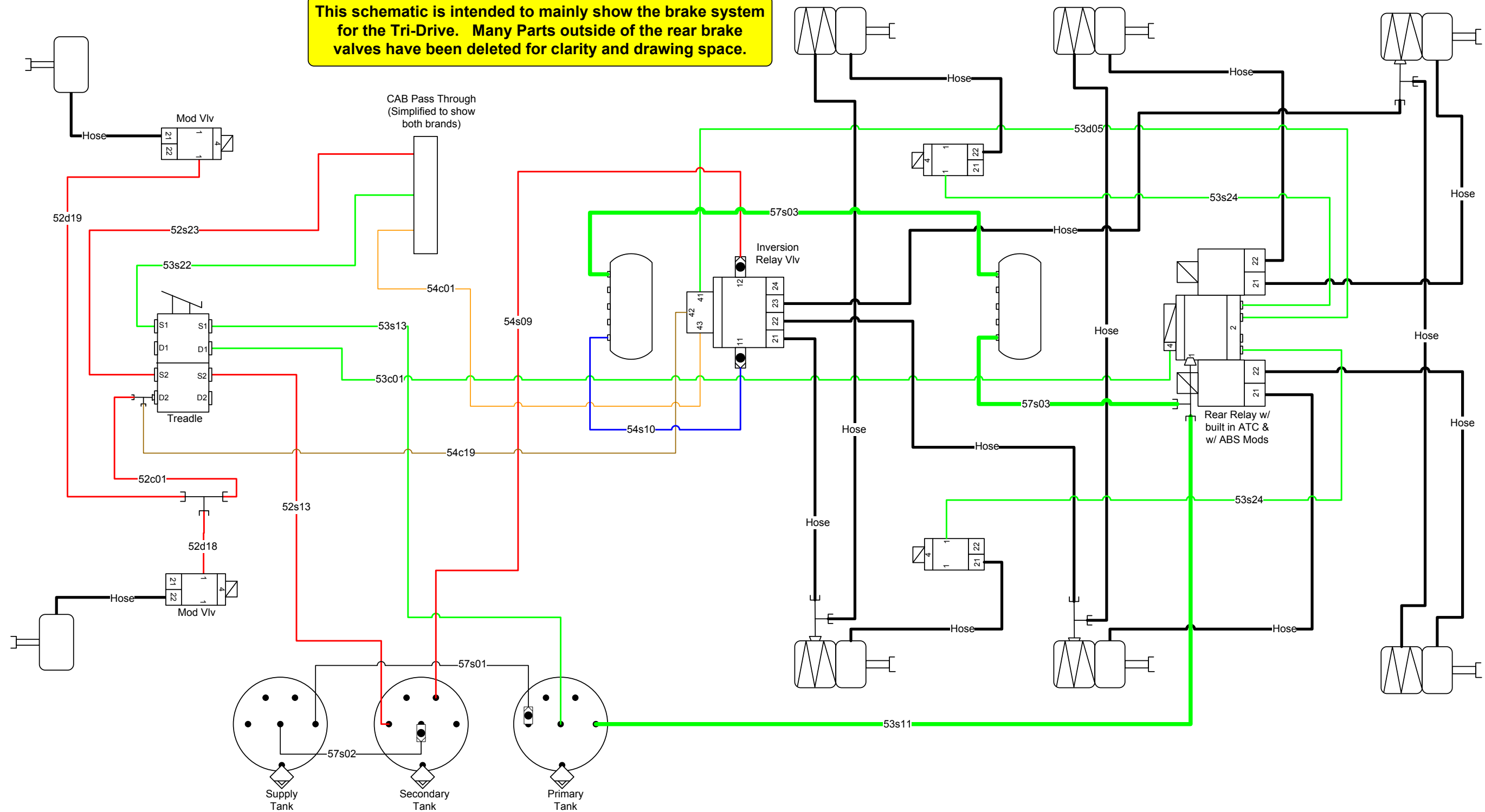
This schematic is intended to mainly show the brake system for the Tri-Drive. Many Parts outside of the rear brake valves have been deleted for clarity and drawing space.



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19 Tri-Drive Brake System, Rigid and Construction Tractor

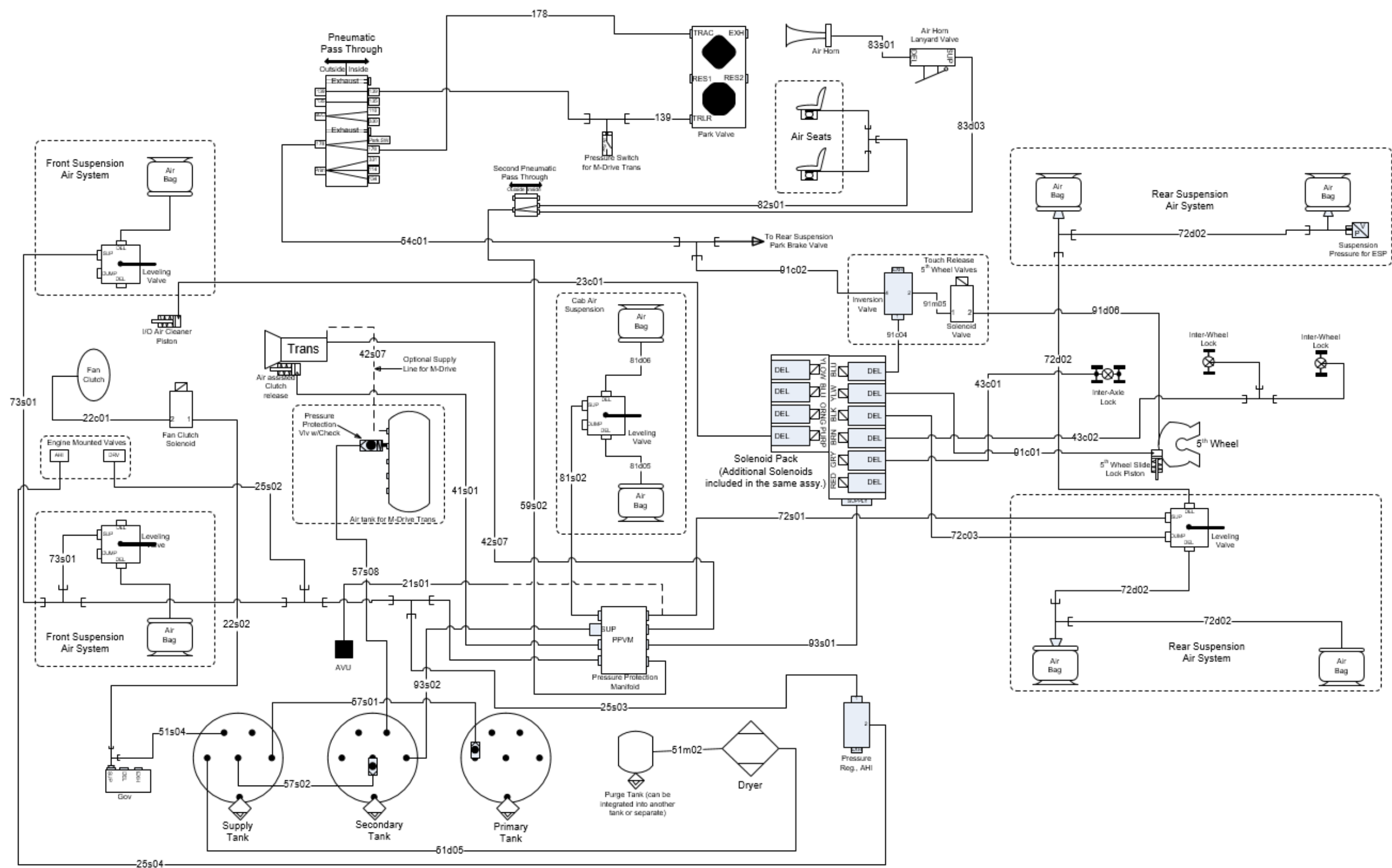
This schematic is intended to mainly show the brake system for the Tri-Drive. Many Parts outside of the rear brake valves have been deleted for clarity and drawing space.



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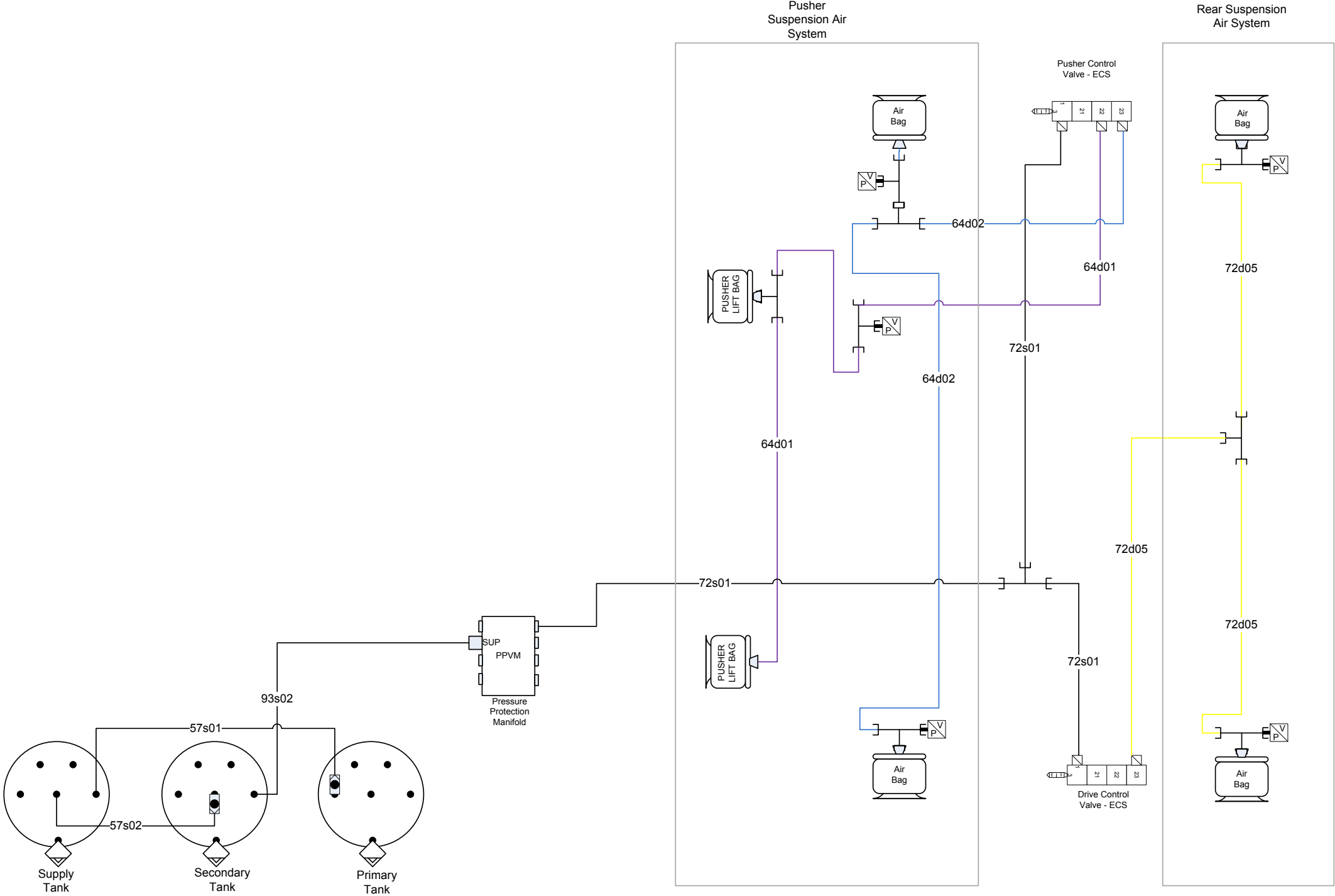
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20 Auxiliary Systems on Pressure Protected Circuits



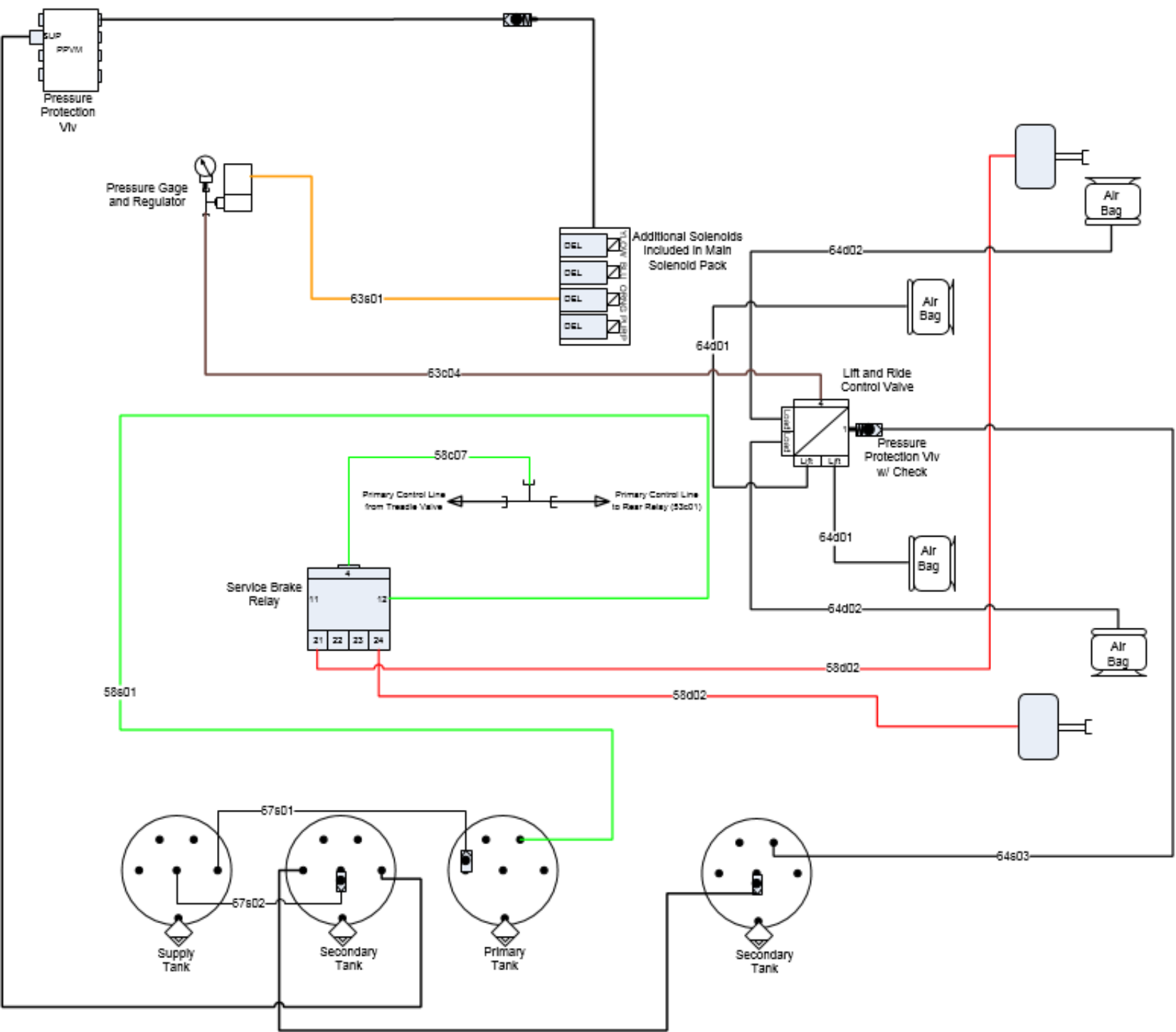
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22 Auxiliary Systems on Pressure Protected Circuits, 6x2 Suspension (Pusher)

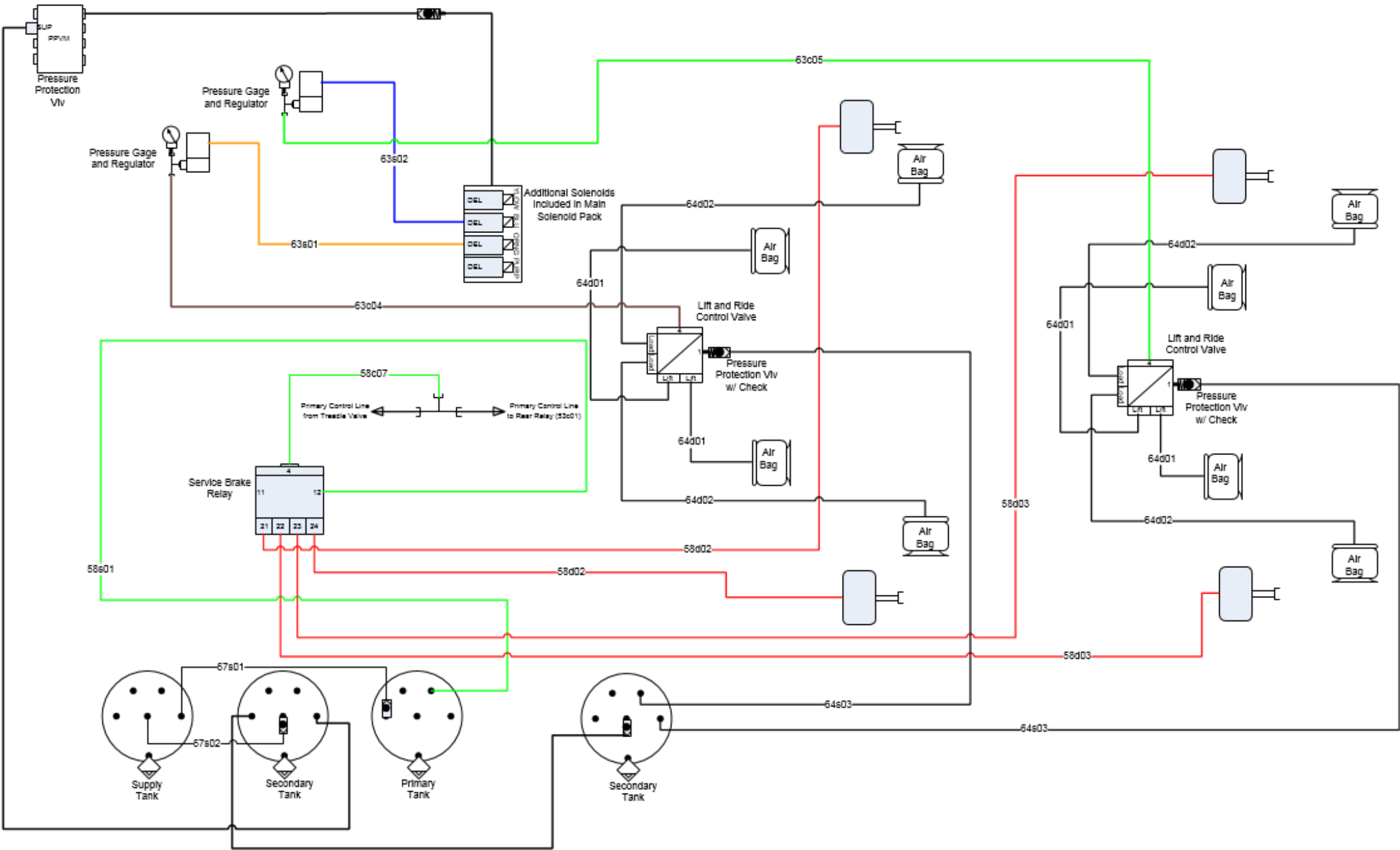


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23 8x4 Lift Axle



24 10x4 Lift Axles



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25 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	Yellow, Black	3/8, 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

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 valve	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 compartment	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
53c03	6S6M QRV Control from rear Relay	Green	8-May
53d05	Anti-compounding or inversion relay from rear relay	Green	3/8
53d09	ABS Solenoid Valve to Brake Chambers (ABS)	Green, Rubber	5/8, Hose
53d10	ABS Modulators to Brake Changes	Green, Rubber	5/8, Hose
53s11	Service Relay Supply from Air Tank	Green	3/4, 5/8
53s12	Traction control supply from Park valve control	Green	1/4, 3/8
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
53m20	Treadle Valve to Rear circuit pressure sensor	Green	1/4
53m21	Treadle Valve to SLS DCV, Rigid Only	Grey	1/4, 3/8
53s22	Treadle Valve to Pass Through Supply to Park Valve	Green	3/8
53s23	Service Brake Hand Control Supply	Green	3/8
53s24	6S6M Rear Axle ABS Modulator supply	Green	5/8
53s25	Hill start Assist Supply	Blue	3/8
53s26	Hill start Assist Control	Orange	1/4
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
54d03	QRV/Relay Valve to Rear Spring Brake chamber	Rubber	Hose
54d07	Joint fitting at Rear axle to LH Spring Brake Chamber	Rubber	Hose
54d08	Joint fitting at Rear axle to RH Spring Brake Chamber	Rubber	Hose
54s09	Inversion Relay Secondary Supply	Red	1/2
54s10	Inversion Relay Primary Supply	Red	1/2
54m16	Park control Exhaust from Dash Valve	Yellow	3/8
54c19	Secondary control from treadle to inversion relay	Red	3/8
54c20	Park Chamber jumper lines, chamber Left to Right	Black	1/2
54d21	Park Valve to Joint Fitting, LHS	Black	1/2
54d22	Park Valve to Joint Fitting, RHS	Black	1/2
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
55c05	EOFA Trailer secondary Service Control from Relay	Blue	3/8, 1/2, 5/8
55c06	EOFA Trailer Park control from Cab	Red	3/8
55m15	Hand control Exhaust	Yellow	1/4
55c20	Trailer Park control Tee to DHFC Inversion supply	Brown	3/8
55s22	Hand control Tee to DFHC Inversion Control	Grey	3/8
55c23	Control from ESP Trailer Modulator to Trailer Secondary Control	Red	3/8
55c24	Trailer Relay Control	Blue	3/8
55s25	Trailer Relay Supply	Red	1/2
55s26	Trailer Relay Delivery to TPV	Black	1/2
56			
56s001	Manifold for aux. equipment to retarder	Black	3/8
57 Air Tanks			
57s01	Primary Tank Supply	Black	1/2
57s02	Secondary Tank Supply	Black	1/2
57s03	Rear primary Tank Supply	Green	5/8
57s04	Auxiliary axle Tank Supply	Black, Red	1/2
57s05	Auxiliary axle Tank Jumper	Green	5/8
57s06	Tag axle supply	Black	1/2, 5/8
57s07	Wet tank Jumper	Black	1/2
57s08	Transmission Air Tank Supply	Red	1/2
57s09	Extra Air Supply	Black	1/2
59			
59s02	Air Manifold to Cab	Black	1/4



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63	Regulator		
63s01	Regulator Supply	Orange	1/4"
63s02	Regulator Supply	Blue	1/4"
63c04	Lift Axle Control	Brown	3/8"
63c05	Lift Axle Control	Green	3/8"
64	Aux Axle Lift/Ride Control		
64d01	Aux Axle Lift Bag Delivery	Blue	3/8"
64d02	Aux Axle Ride Bag Delivery	Black	1/2"
64s03	Lift and Ride Valve Supply	Black	1/2"

58	Service Brakes		
58s01	Service Brake Relay Supply	Green	5/8"
58c02	Service Brake Relay Control	Green	1/4"
58d02	Aux Axle 1 Brake Hose	Red	1/2"
58d03	Aux Axle 2 Brake Hose	Red	1/2"

7	Frame, springs, damping and wheels	Color	Line Size (inches)
72	Air suspension rear axle(s)		
72s01	Leveling Valve Supply from PPVM	Black	3/8
72d02	Air Bellow Pressure from Tee to Cab	Purple	3/8
72d03	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 Cab	Yellow	3/8
72d11	Front Bellows to Rear Bellows	Blue	3/8
73	Air suspension front axle(s)		
73s01	Leveling Valve Supply from PPVM	Black	1/4
73d02	Air bellow pressure (Left) from Leveling Valve	Yellow	1/4
73d08	Air bellow pressure (Left) from Tee to Cab	Yellow	1/4

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 PPVM	Black	1/4
83	Air horn		
83s01	Solenoid Valve Pack to Air Horn	Red	1/4
83d03	Auxiliary Manifold to Air Horn Lanyard Valve	Black	1/4

9	Miscellaneous, special functions	Color	Line Size (inches)
91	Fifth wheel		
91d01	5th Wheel Slide from Solenoid Pack	Yellow	1/4
91d02	Touch Release Park Signal from Rear park Control Tee	Orange	1/4
91d03	Touch Release Piston Control from 2nd Solenoid	Grey	3/8
91d04	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 PPVM	Orange	3/8
93s02	PPV Manifold Supply from Secondary Air Tank	Red	1/2

10	Miscellaneous, Inside Cab	Color	Line Size (inches)
110	Secondary Tank Supply, Cab Pass Through to Dash Valve	Red	3/8
114	Primary Tank Supply, Cab Pass Through to Dash Valve	Green	3/8
134	Supply to Hand Control Valve from Cab Pass Through	Green	3/8
135	Delivery from Hand Control Valve to Cab Pass Through	Grey	3/8
139	Dash valve Delivery to Cab Pass Through, Tractor 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

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