

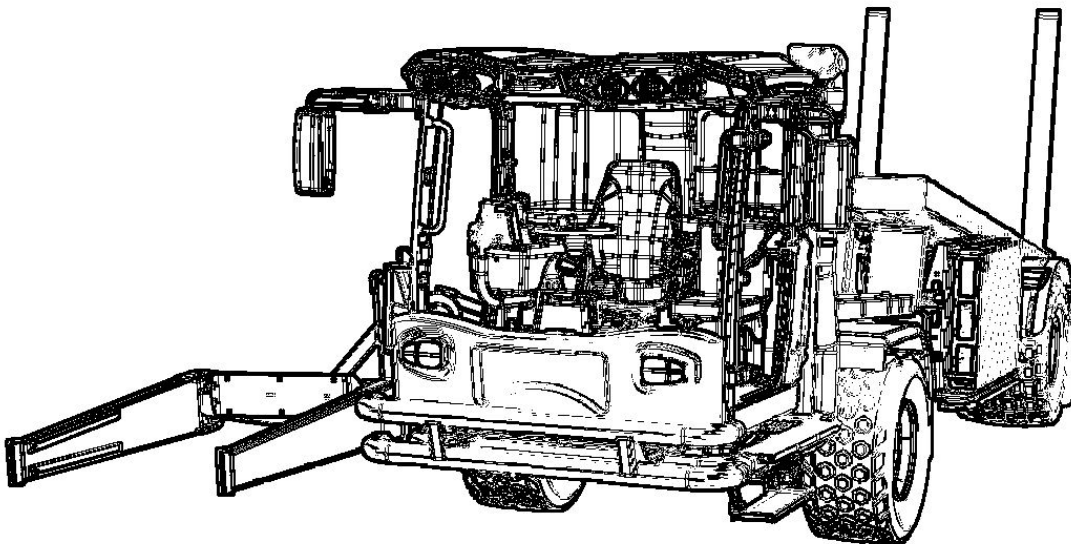
Mil-Stak SP/3255

Parts Manual

2.4

With Electrical Schematics

Section B



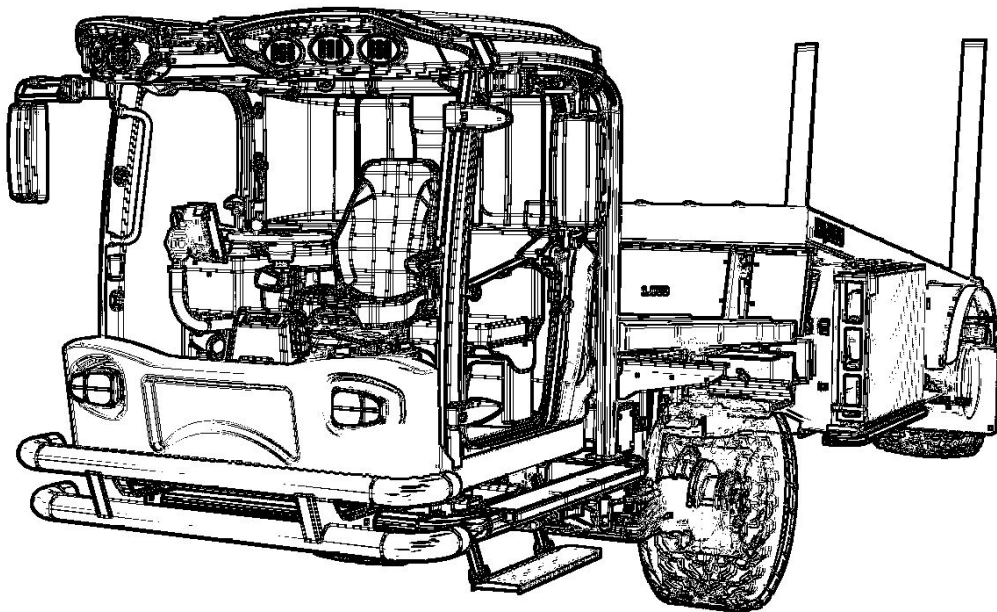
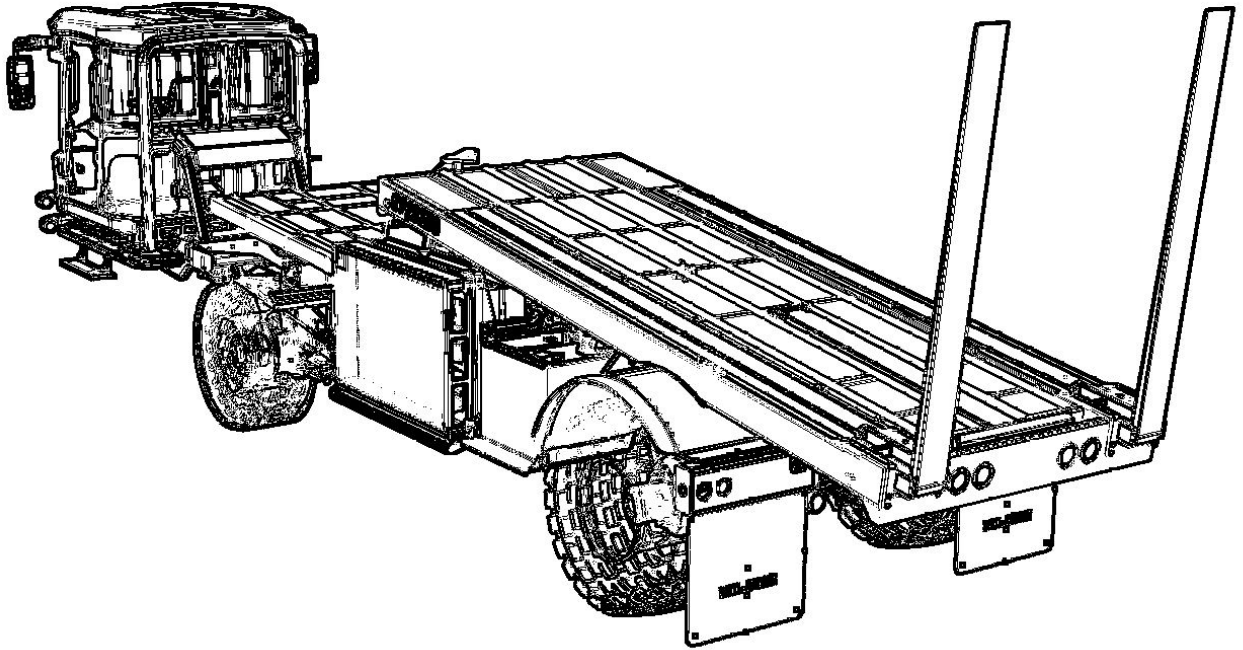
When calling for parts ,Please have the Mil-Stak model and serial number available.

Mil-Stak Mfg Co. 2201 Hwy 30 West. Fruitland
Idaho 83619 Phone 208-452-6045 Fax
208-452-6065

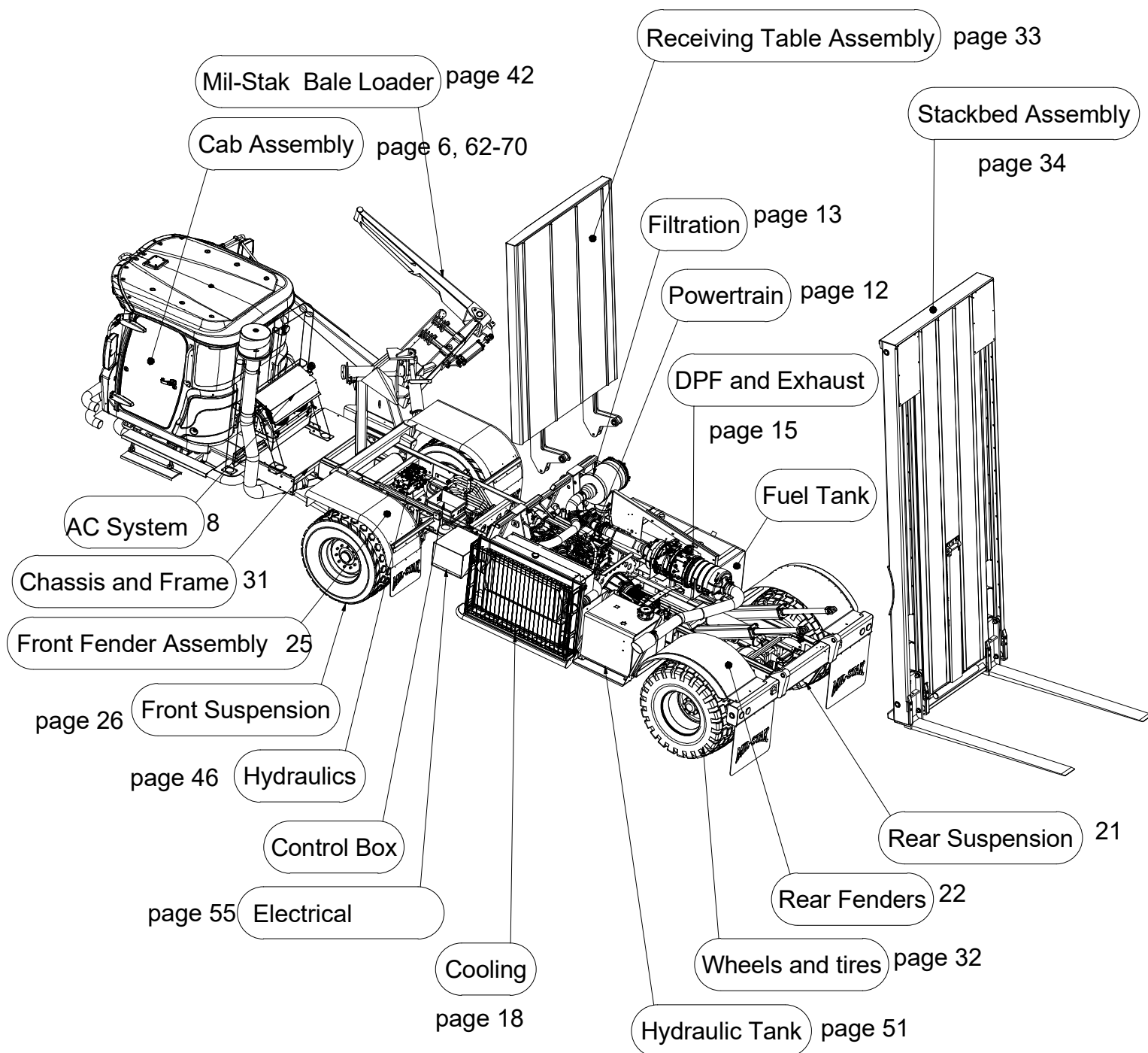
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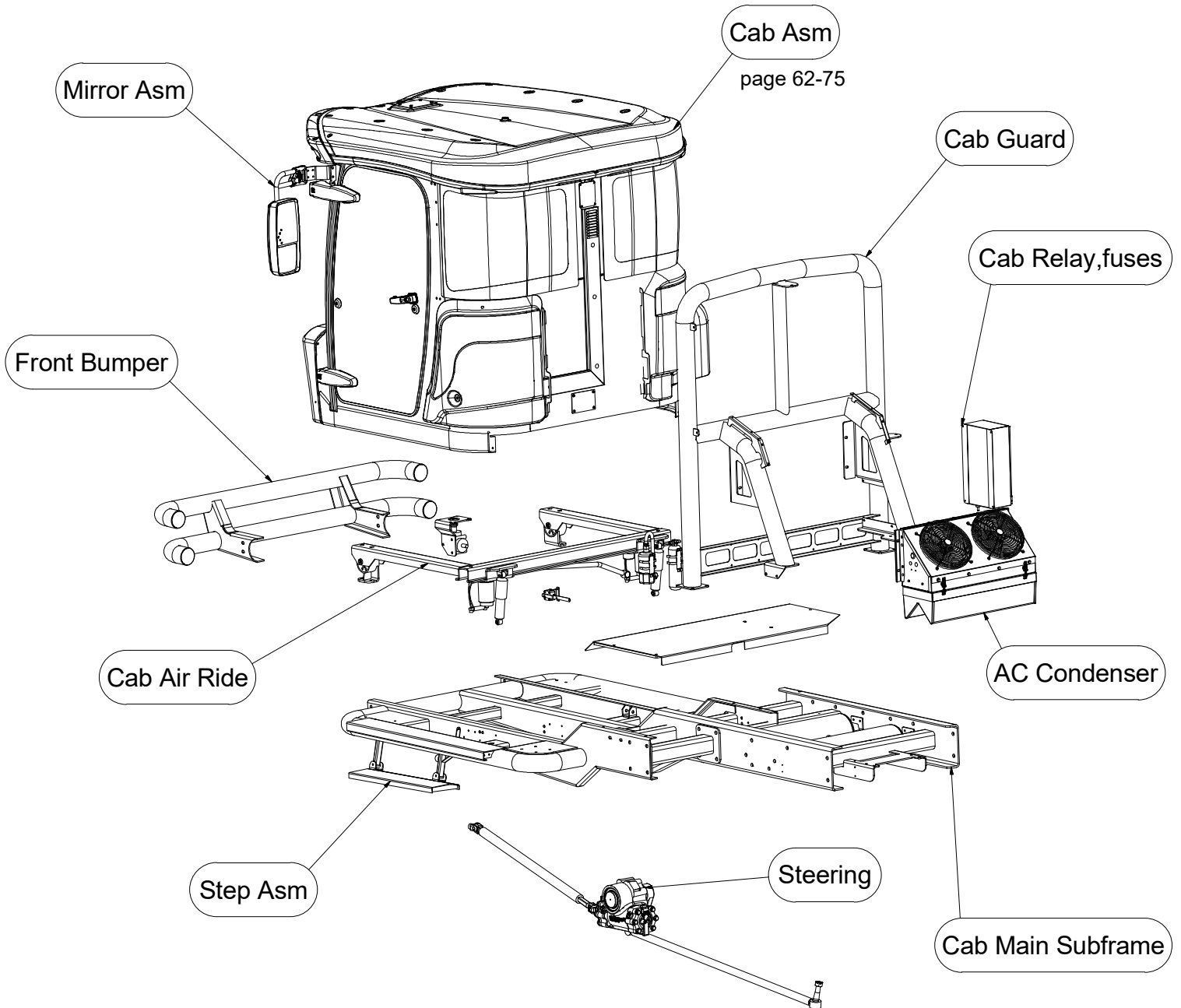
Section A



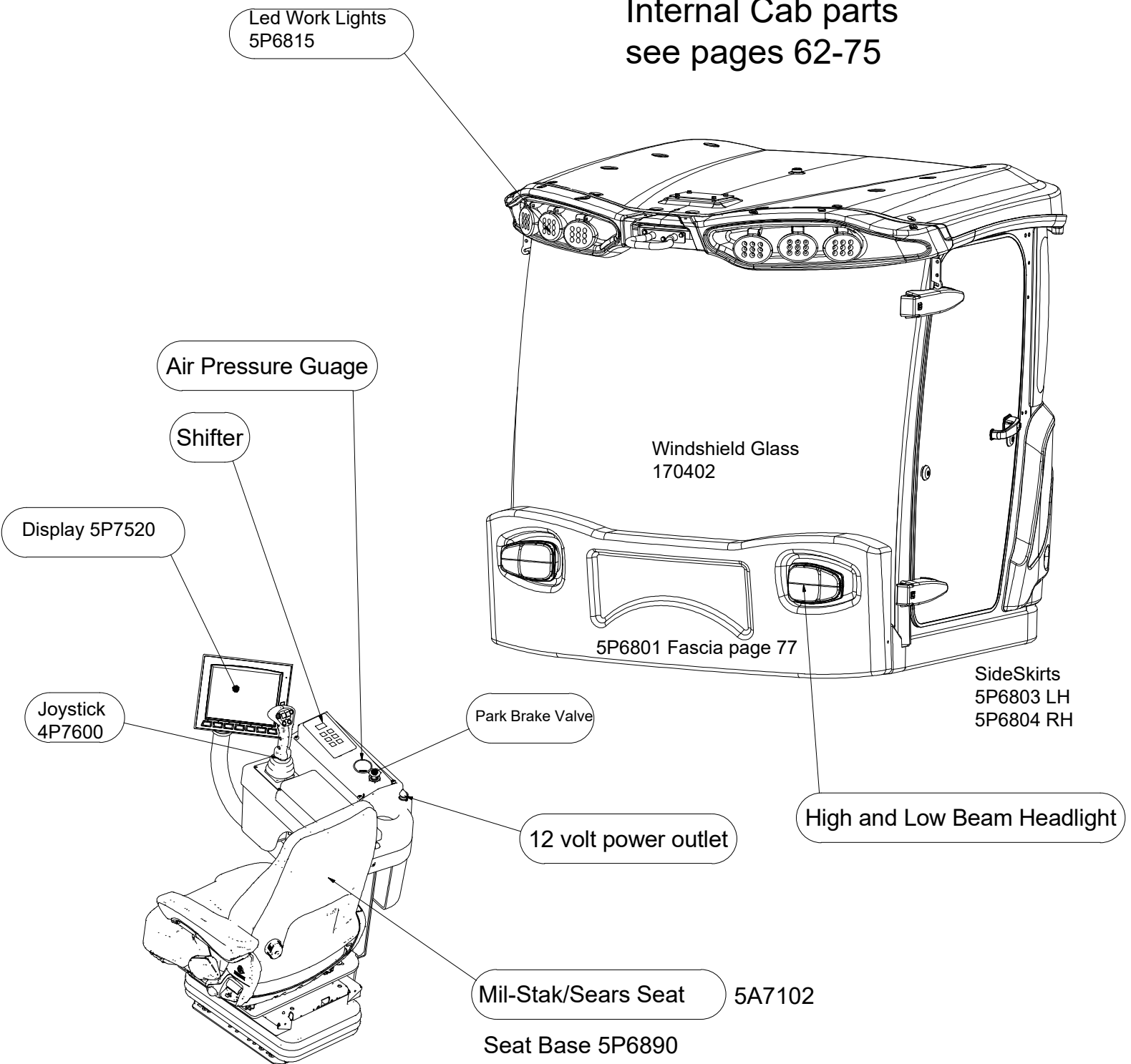
Cab Assembly

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Cab Assembly



Internal Cab parts
see pages 62-75



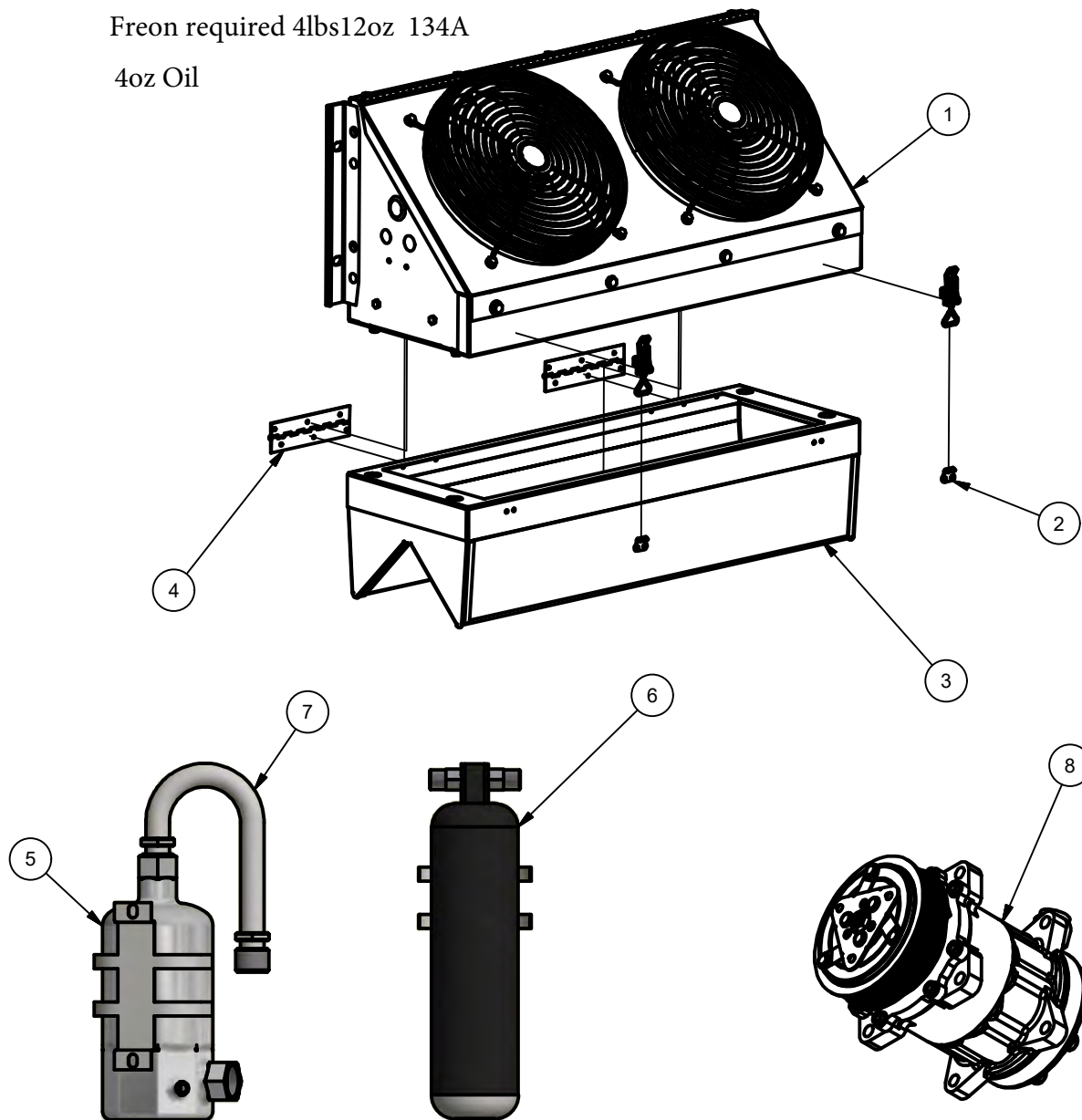
Air Conditioning Components

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Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	5P4111	AC Condensor,Fan Assembly
2	2	5P7010	latch
3	1	5P1195	AC condensor screen
4	2	4P5295	Hinge, Stainless Steel
5	1	5P4184	AC Accumulater
6	1	5P4181	AC Dryer
7	1	5P4185	top tube
8	1	5P4115	AC compressor

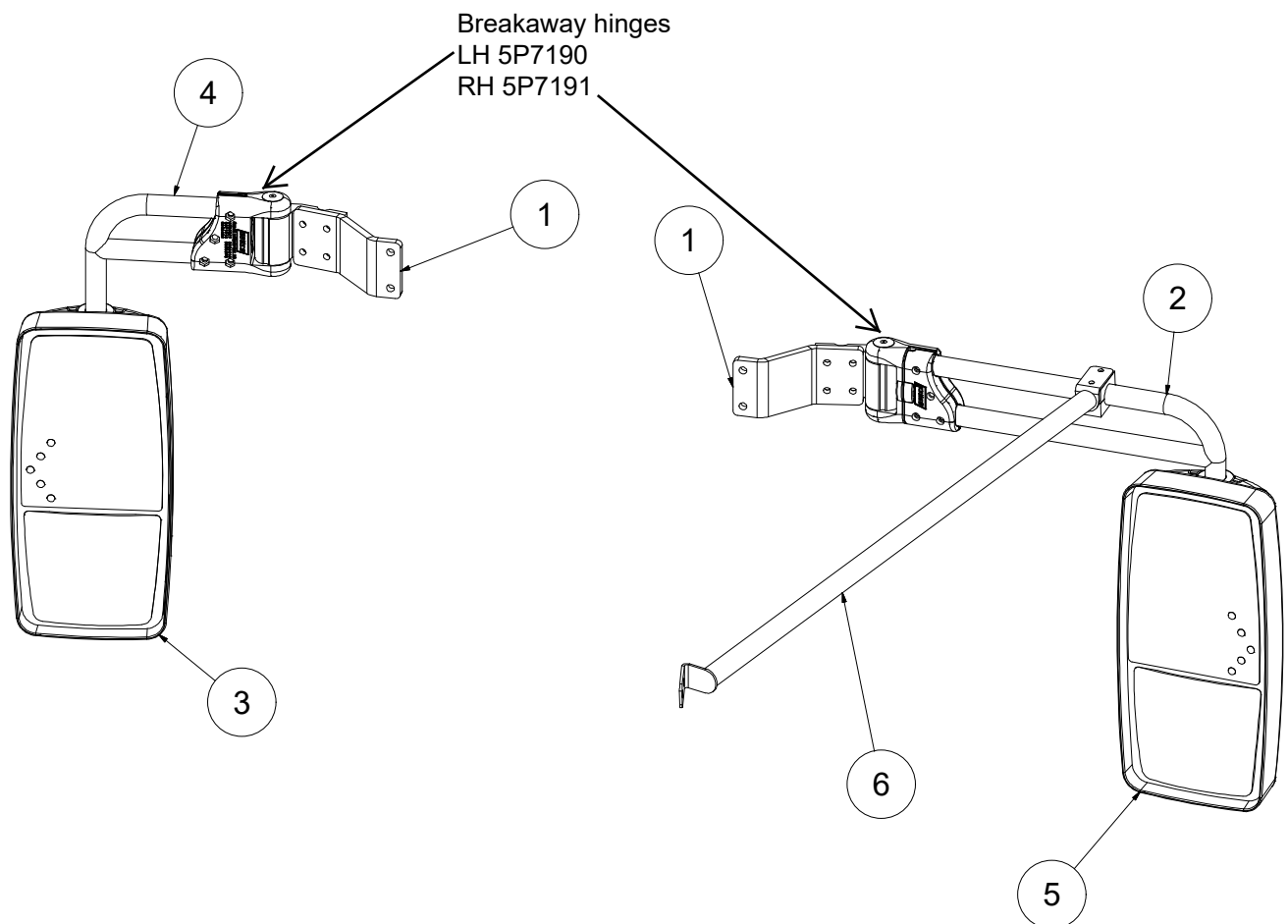
Freon required 4lbs12oz 134A

4oz Oil

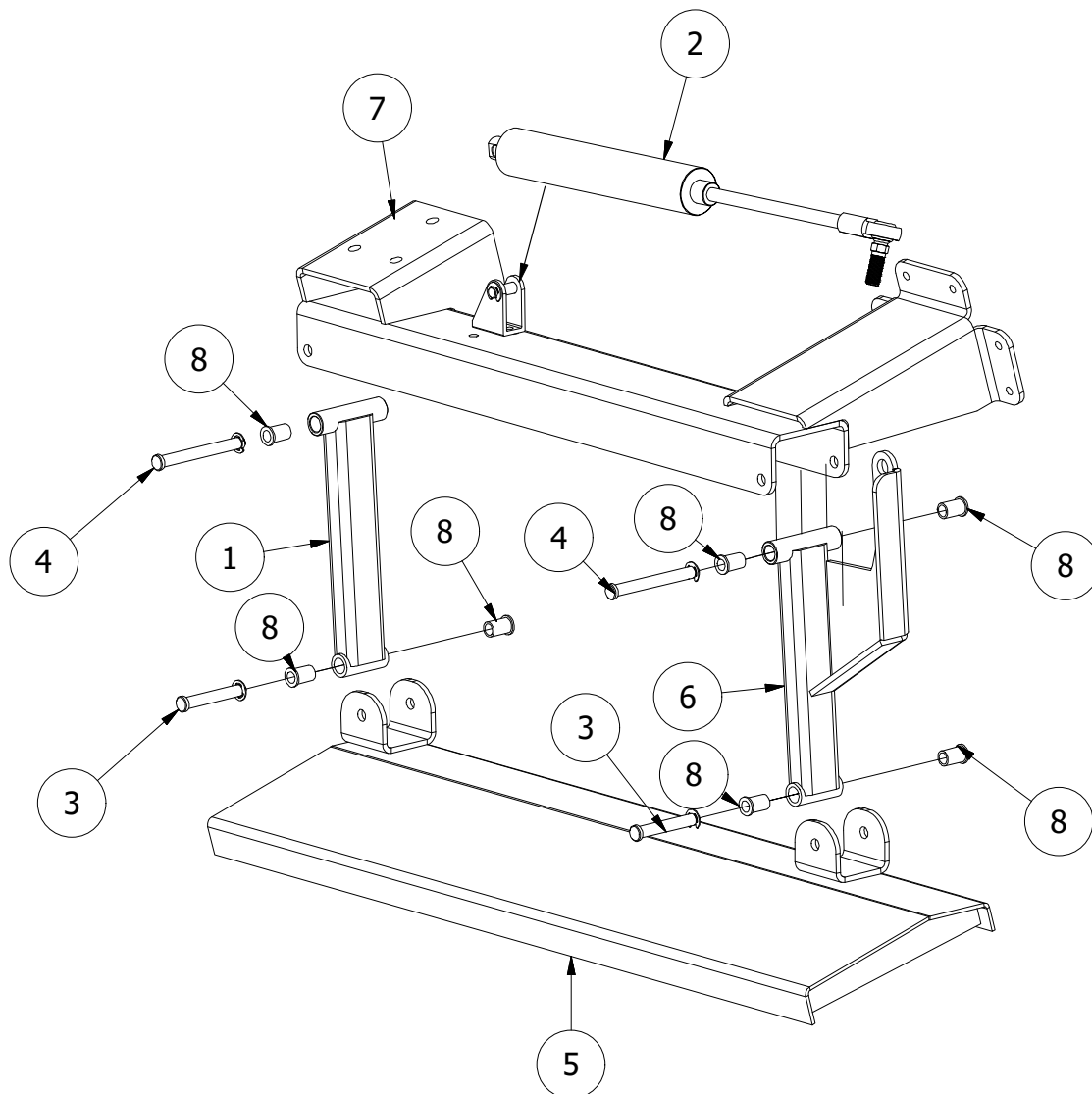


Additional parts on page 74-1

Mirror Asm		
ITEM	PART NUMBER	DESCRIPTION
1	5P0470	Mirror adapter
2	5P7157	Arm, RH Mirror w. Harness
3	5P7180	Exterior Mirror LH, w. signal,Heat,remote adj
4	5P7156	Arm, LH Mirror w. Harness
5	5P7181	Exterior Mirror RH, w. signal,heat,remote adj
6	100674	Brace, Mirror Right
7	100754	Brace clamp block

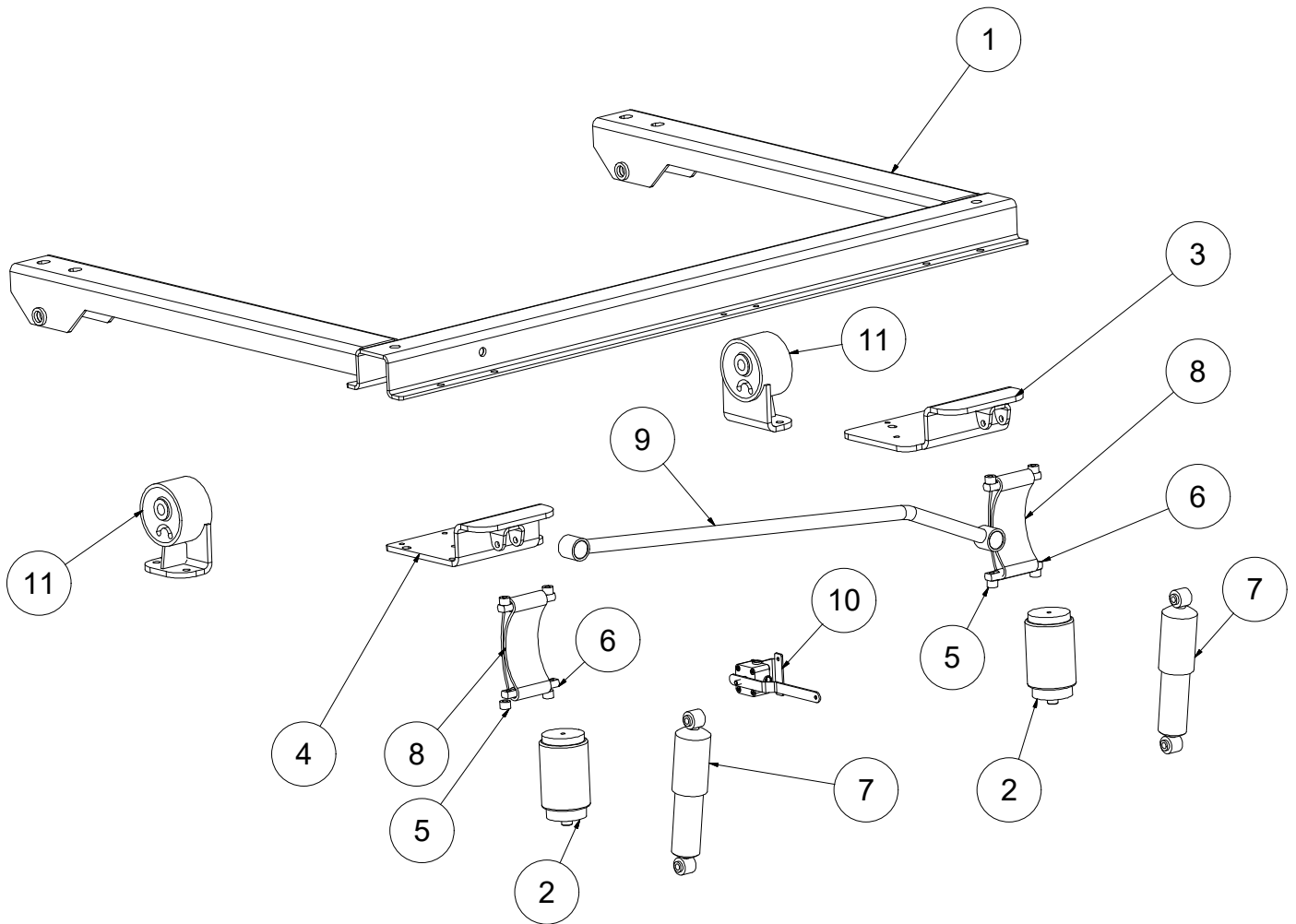


Cab Step		
ITEM	PART NUMBER	DESCRIPTION
1	5A0625	Step leg T
2	5P7001	1.25 x 6 Air Cylinder assembly
3	5R7551	Pin w. Clip, 3/8 x 2-5/16
4	5R7553	Pin w. Clip, 3/8 x 3-5/16
5	5A0595	Step
6	5A0626	Step leg Rear
7	5A0527-0	Step Base
8	5R7530	Nylon Bearing, Flanged



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Cab Air Ride Asm		
ITEM	PART NUMBER	DESCRIPTION
1	5P1020	Cab Air Ride Frame
2	5P7021	Cab Air Bag
3	5A1026	Cab Air Bag Top Right Mnt
4	5A1029	Cab Air Bag Top Left Mnt
5	100131	Spacer, 3/4" OD, 1/2" Length, for 3/8" Screw Size
6	5P1210	safety strap mount rod
7	5P7023	Cab shock absorber
8	5P7029	Limiter Strap
9	5A0558	Cab Strut Rod Weldment
10	5P7024	Leveling valve
11	5A0550	Cab Mount, Front

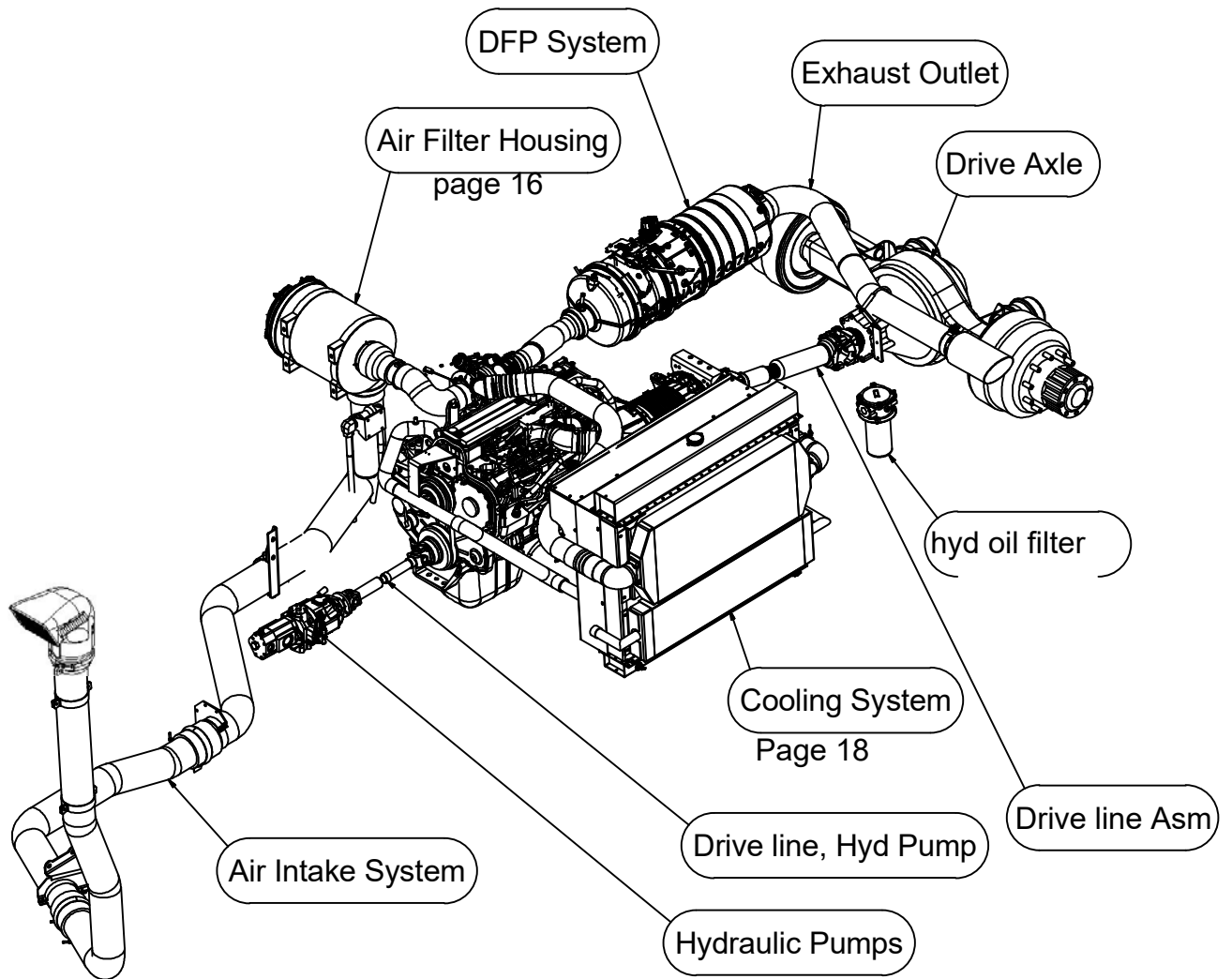


Powertrain

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FRONT SUSPENSION	26
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Powertrain

ITEM	PART NUMBER	DESCRIPTION	PAGE
Cooling System	5A0305	Radiator, CAC, Oil Cooler w. Frame	
Drive Axle	100068	Dana Drive Axle	
Hydraulic Pumps	100380	Hydraulic Piston and Gear Pump	
DFP System	A058K879	Exhaust DPF, Stage 5	
Exhaust Outlet	100907	Exhaust Tail Section L9	
Air Filter Housing	G150092	Air Cleaner Asm, Donaldson	
Air Intake System	101122	AIR INTAKE TUBE, B	
Hyd Oil Filter	100511	Hydraulic oil filter, Housing in tank	

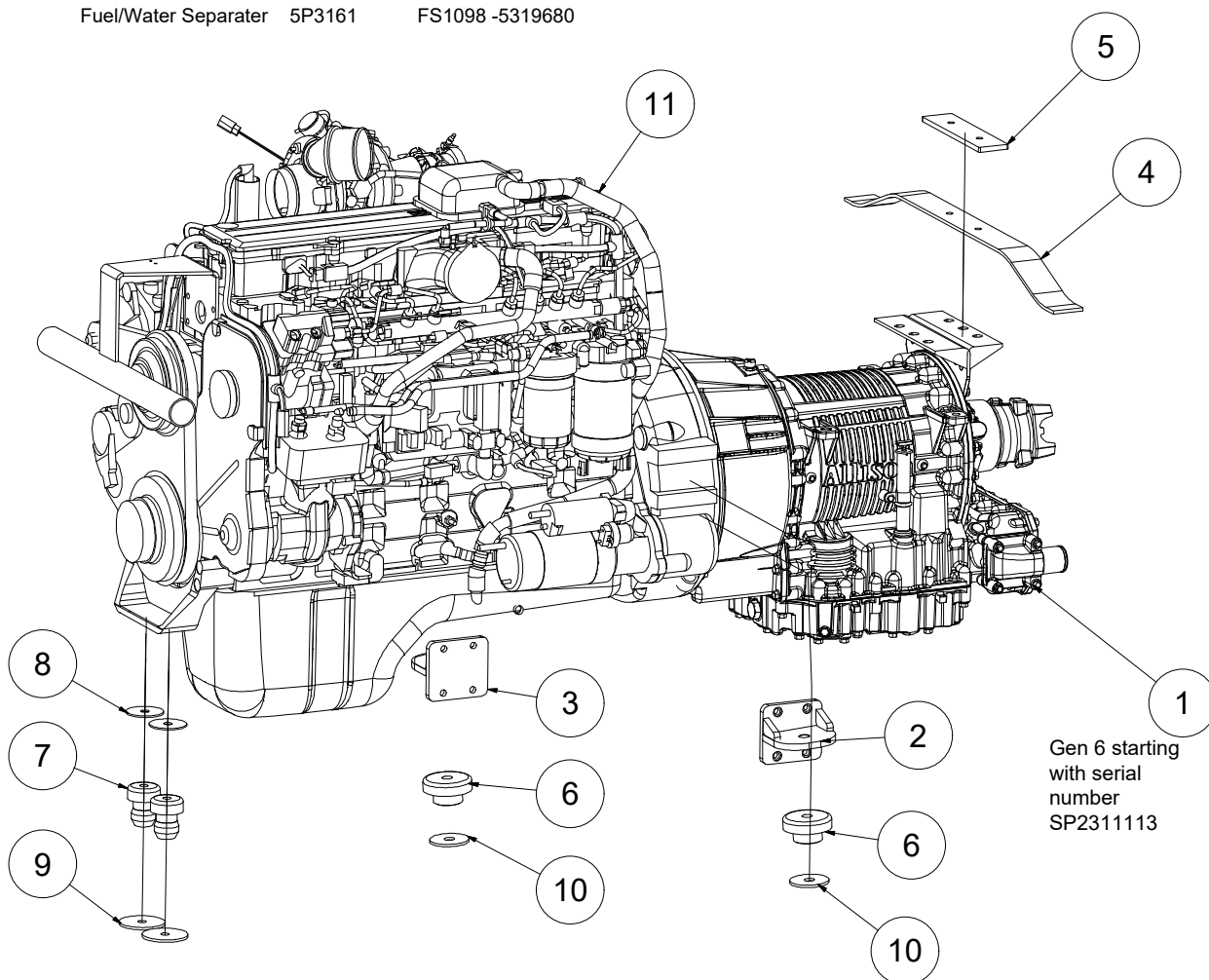


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Engine, Transmission Mounts.

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	RDS 3000	Allison Transmission 6 speed
2	1	5A0585	Rear Engine Mnt Left
3	1	5A0586	Rear Engine Mnt Right
4	1	5P1820	Transmission Support Spring
5	1	5P0595	Transmission Spring Cap Plate
6	2	5P7601	Vibration Isolator, Rear
7	2	5P7602	Vibration Isolator, Front
8	2	5P7603	Washer, Motor Mount
9	2	5P7605	Washer, Motor Mount
10	2	5P7604	Motor Mnt Washer, Rear
11	1	FR95763L9 D563026CX03	Engine, Cummins 340HP L9 BO103271810

Oil filter Fleetguard 5P3162 LF14009NN- 5444774
 Fuel Filter 5P3160 FF63009 5303743
 Fuel/Water Separator 5P3161 FS1098 -5319680



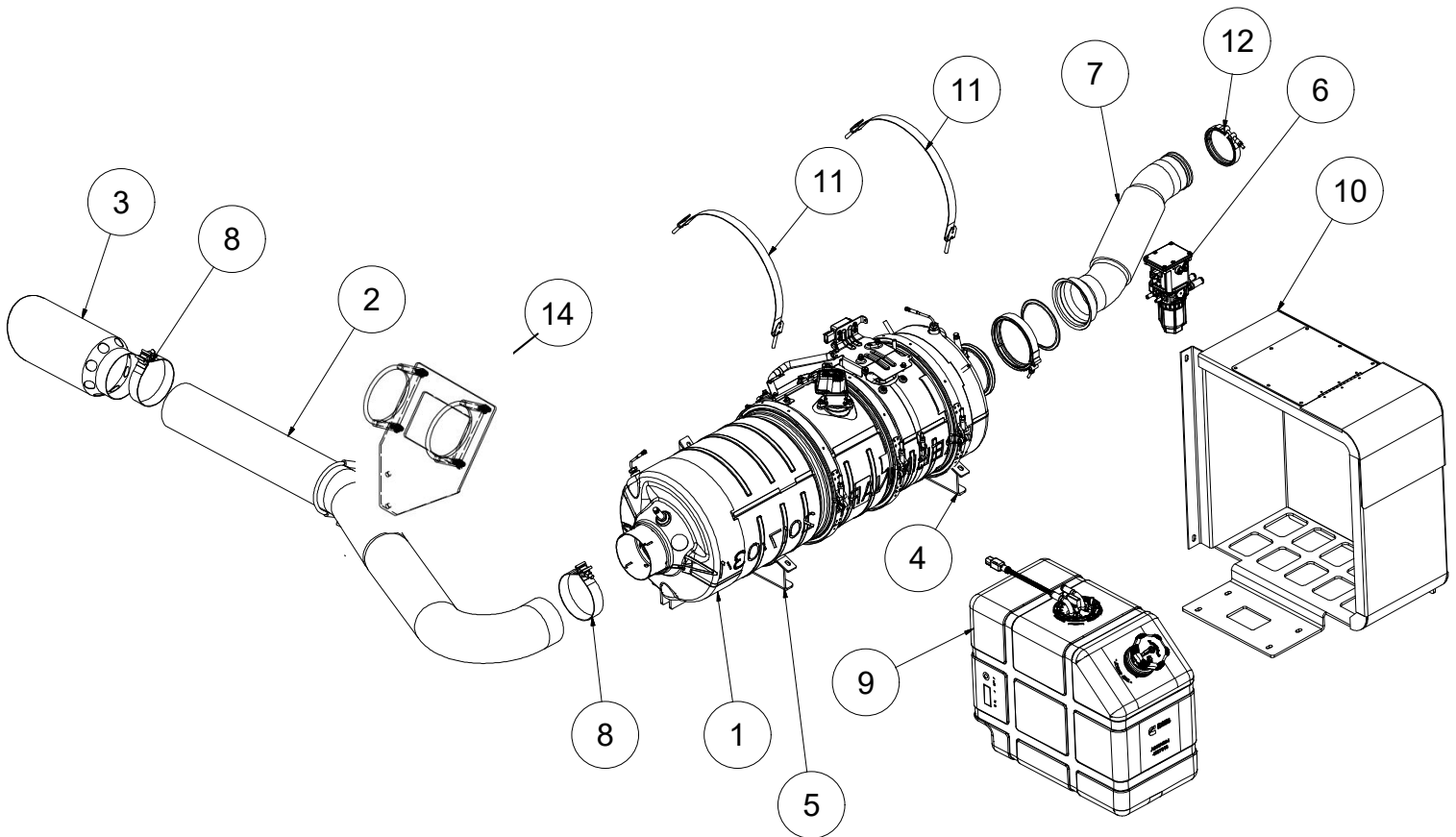
Engine parts and Service contact your local Cummins service center.

Transmission parts and service contact Allison service center

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DPF System

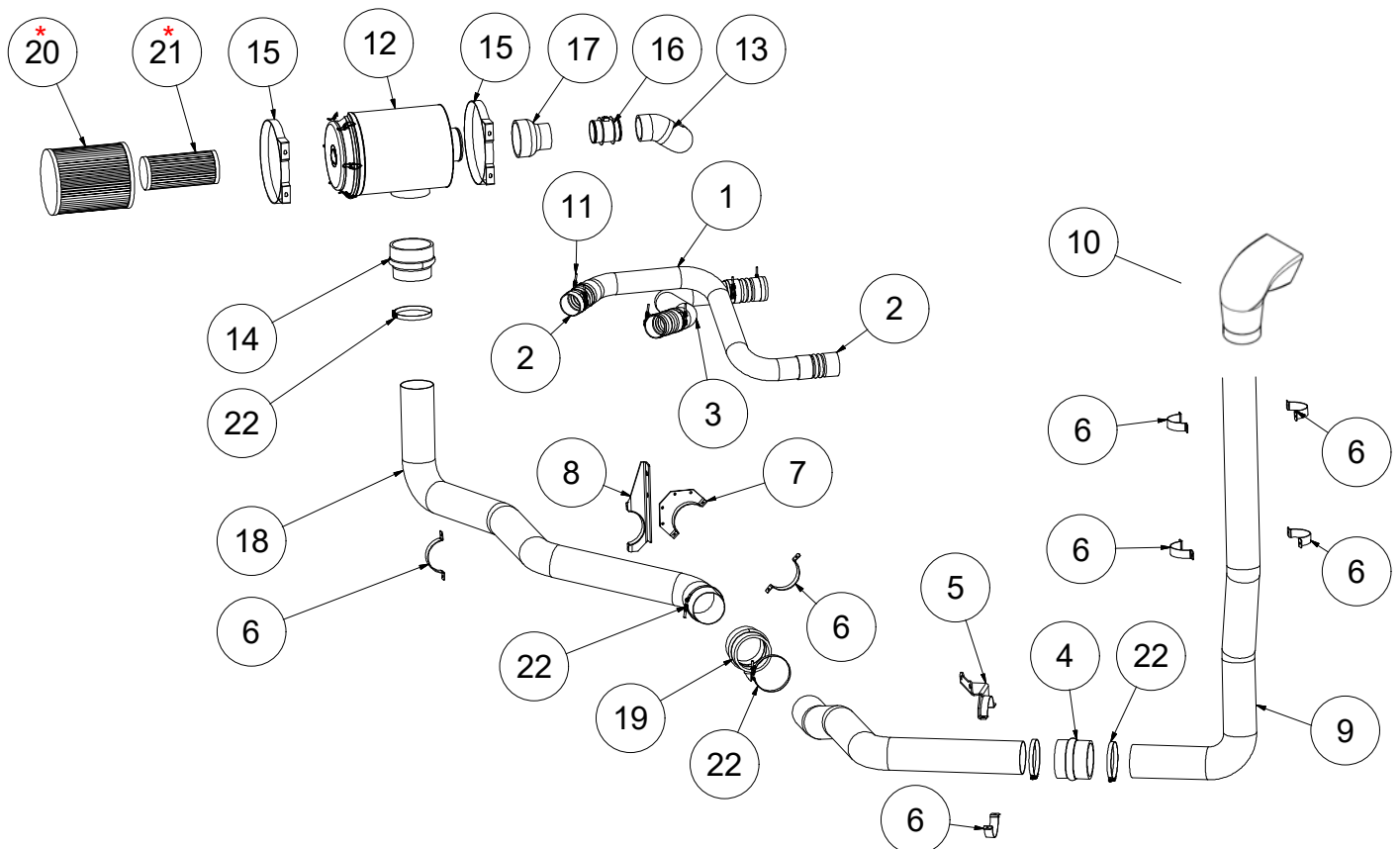
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	1	A058K879	Exhaust DPF,Stage 5	
2	1	101435	Exhaust Tail Section L9	
3	1	100908	Exhaust tip	
4	1	100905	Cradle,Stage 5	
5	1	100920	Cradle,rear,Stage 5	
6	1	A060X250	DEF Fluid Pump	
7	1	100952	Down Pipe, L9	
8	2	101072	Band Clamp 5"	
9	1	A051Y807	DEF Tank Asm 15 gal	
10	1	101100	DEF Tank Compartment	
11	2	101082	DPF Saddle Strap	
12	1	101079	Exhaust Clamp,turbo to downpipe	
13	1	101071	Exhaust Clamp, Marmon 5"	
14	1	101464	Mount Brkt Asm, Exhaust	
15	1	Q312516	Gasket,Standard Marman 5" ,exhaust	
16	1	5418170	DEF Hose Pump to SCR (Pressure) 1500mm	Red
17	1	4394260	DEF Hose SCR to Tank (Return) 2500 mm	white
18	1	4377940	DEF Hose tank to Pump (Supply) 1500 mm	Yellow



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ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	5P1902	Tube, Turbo to CAC
2	4	100381	Silicon Hump Hose
3	1	100778	Tube, CAC to Intake
4	1	101033	Coupler
5	1	101039	Intake Tube Mnt, Front
6	7	101043	Hanger strap,Air intake
7	1	101045	Intake Tube Mount, Center
8	1	101047	Intake Tube Mount , Rear
9	1	101022	AIR INTAKE TUBE,A
10	1	5P8171	Snorkel ,Donaldson
11	6	5P8161	Hose clamp,4"
12	1	5A8150	Air Cleaner Asm,Donaldson includes filters 20-21
13	1	101107	Hose,Air Filter to Turbo Stage 5
14	1	5P8163	Rducer7 to 6
15	2	5P8164	Mounting Band,Air cleaner
16	1	101118	Connector,TBAP Housing 5474182
17	1	101119	Air Cleaner Connection
18	1	101121	Air Intake Tube C
19	1	5P8170	Coupler Moisture seperator
20	1	5P8180	Filter Element,Primary,Donaldson *
21	1	5P8181	Filter Element,Safety Donaldson *
22	5	5P8167	Hose Clamp 6"

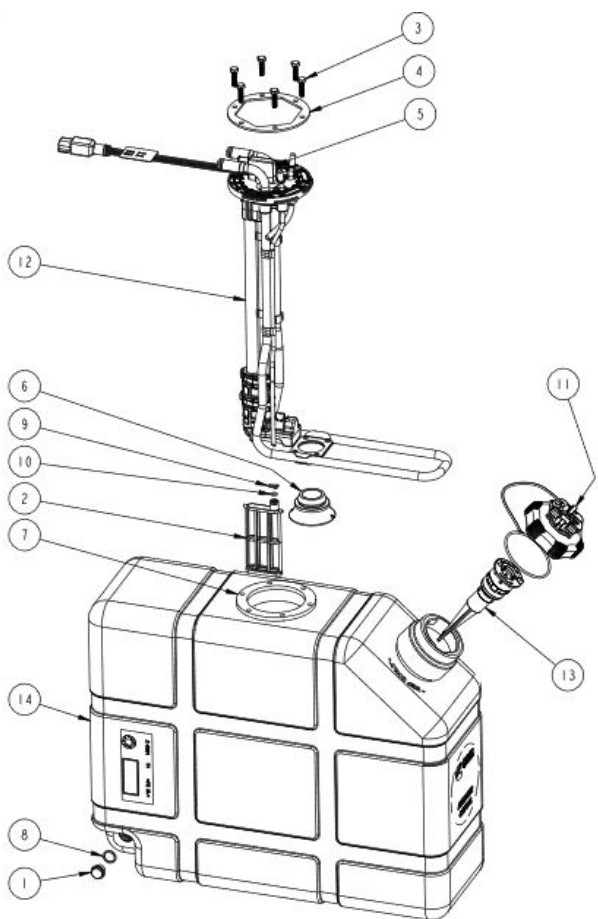
***Use Cummins approved air filter elements only**



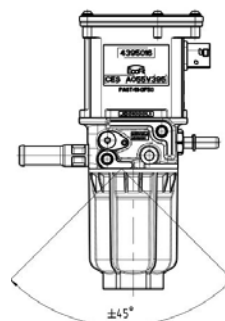
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Diesel Exhaust Fluid Components

SERVICE PARTS LIST				
FIND NO	CES PART NO	CUMMINS PART NO	PART DESCRIPTION	QTY
1	A047S292	4353887	PLUG, DRAIN	1
2	A047S297	4353889	HOUSING, LIQUID FILTER	1
3	A047S298	4353890	BOLT	6
4	A047S299	4353891	RING, RETAINER	1
5	A047S300	4353892	VALVE, AIR VENT	1
6	A047X276	4353893	GROMMET	1
7	A047X279	4353894	RING, RETAINER	1
8	A048C228	4353895	WASHER	1
9	A048C250	4353901	CLIP, RETAINING	1
10	A048F247	4353902	RING, CENTERING	1
11	A050J659	4387333	CAP, FILLER	1
12	A051K134	4378050	HEADER, DIESEL EXHAUST FLUID TANK	1
13	A051P749	4387114	FILTER, DIESEL EXHAUST FLUID	1
14	A052N294	4387618	RESERVOIR	1
15	A056A228	NA	SENSOR, FLUID QUALITY	1



DEF Coolant Valve
#A047U821



DEF PUMP A055V395

DEF HOSES

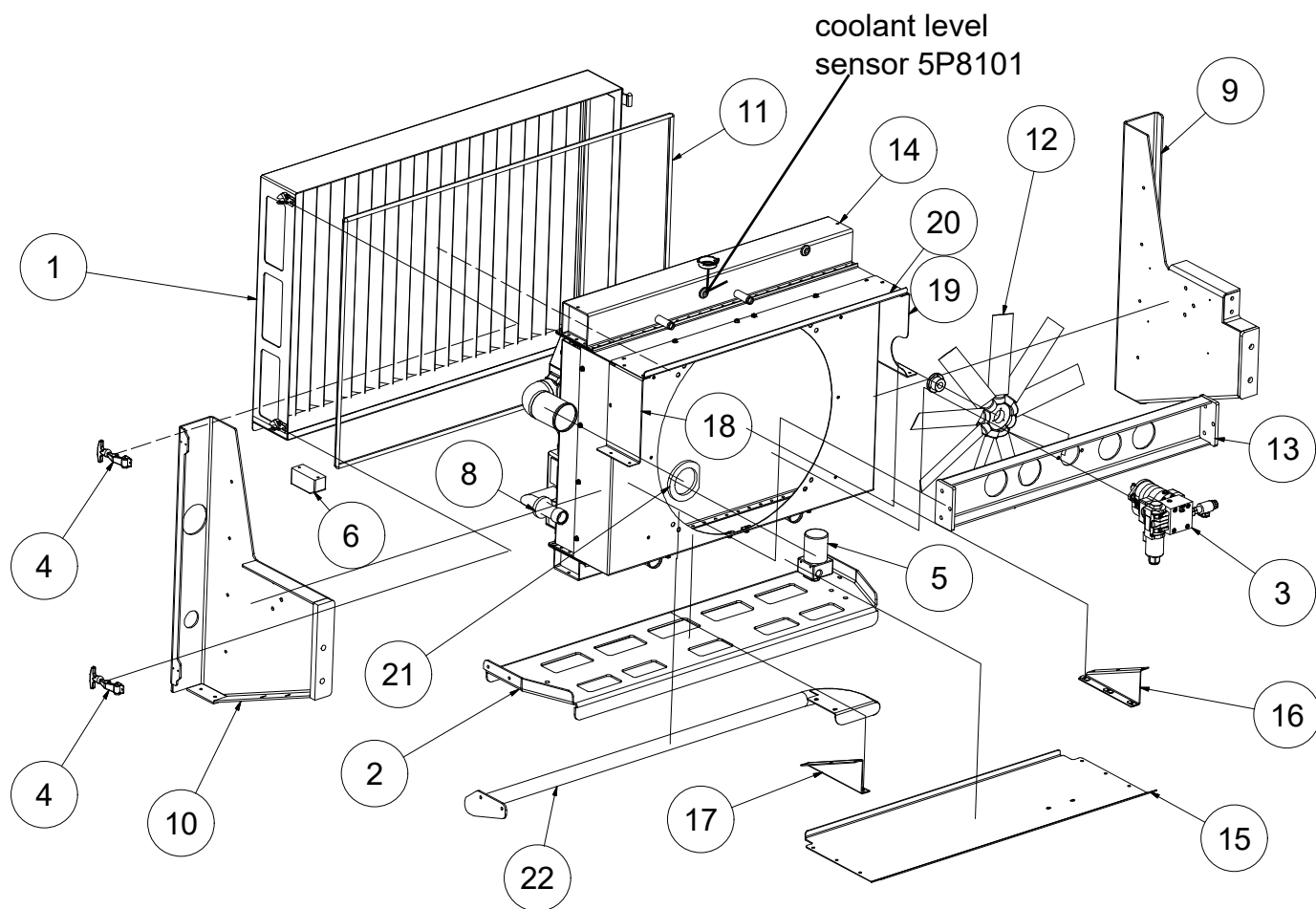
Suction line	4377940 Yellow
Return line	4394260 Red
Supply line	5418170 White

Diesel Exhaust Fluid Tank Assembly
#A051Y807

SP3255

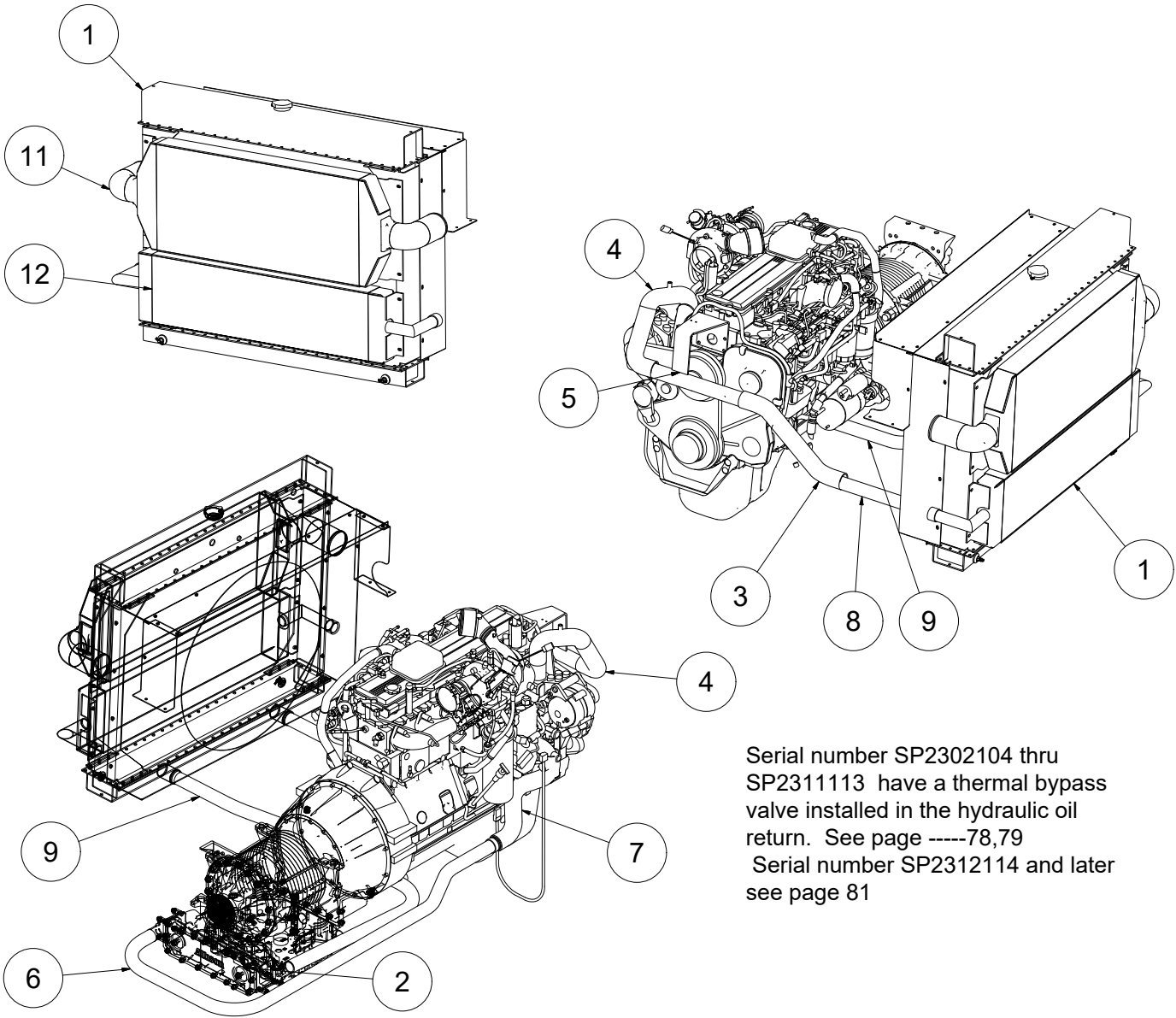
Cooling Assembly

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	5A0578	Radiator Screen
2	1	5P0820	Radiator Bottom Guard
3	1	5A3150	Hyd Fan Motor/Valve. _____ shaft seal 5P3119
4	2	1685A260	Rubber Hood latch
5	1	5P7630	Meziere Water Pump
6	1	5P0855	Radiator Screen Support Block
7	1	5P1920-0	CAC MOUNT SEAL
8	2	5P1921-0	OIL COOLER MOUNT SEAL
9	1	5A0856	Cooling Pack Mount, Front
10	1	5A0857	Cooling Pack Mount, Rear
11	1	5P0579	Radiator Screen House Seal
12	1	5A7625	Fan and Hub ASSY (Blade only 5P7627)
13	1	5A0897	Fan Motor Mount Weldment
14	1	RS-7593	Radiator,CAC ,Oil Cooler
15	1	5P0861	Air Deflector Bottom
16	1	5P0862	Air Deflector Front
17	1	5P0863	Air Deflector Rear
18	1	5P0866-3	Deflector Top Cover Rear
19	1	5P0867-2	Deflector Top Cover Front
20	1	5P0868-0	Deflector Top Cover
21	1	5P1920-1	CAC MOUNT SEAL
22	1	5P2010	Radiator Guard



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Engine Cooling			
ITEM	PART NUMBER	DESCRIPTION	PAGE
1	5A0305	Radiator7593SCRA , CAC, Oil Cooler w. Frame	
2	6A3000	3000RDS Allison, Integral Cooler	
3	6P2250	Coolant Hose, Engine Front to Rad	
4	100792	Hose,Cooling,Trans Cooler to Engine	
5	100892	Coolant Cross Tube, Front	
6	5P1975	Coolant Tube, Transmission to Engine	
7	6P2100	Coolant Hose to Engine Return	
8	101069	Coolant,engine return to Radiator	
9	5P1976	Coolant Tube, Radiator to Transmission	
11	RS-75930-CA	Charge Air Cooler	
12	RS-75390-OC	Hydraulic Oil Cooler	

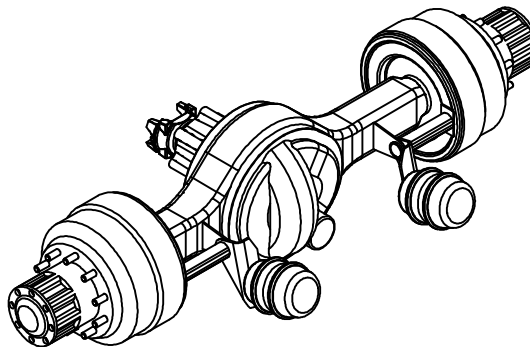


Drive and Steering Axles

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ITEM	PART NUMBER	DESCRIPTION	PAGE
1	100068	Dana Drive Axle S30-190	

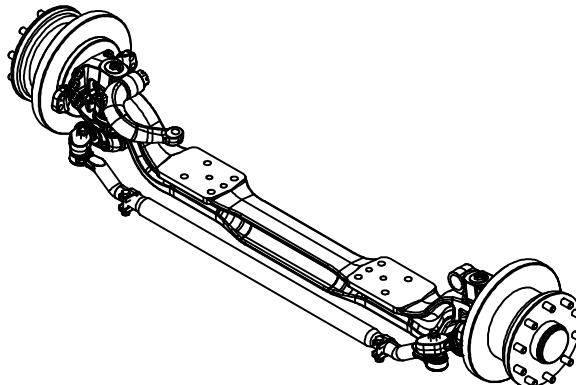
Dana BOM 7063282 page 23



ITEM	PART NUMBER	DESCRIPTION	PAGE
1	100363	Dana Steering Axle	

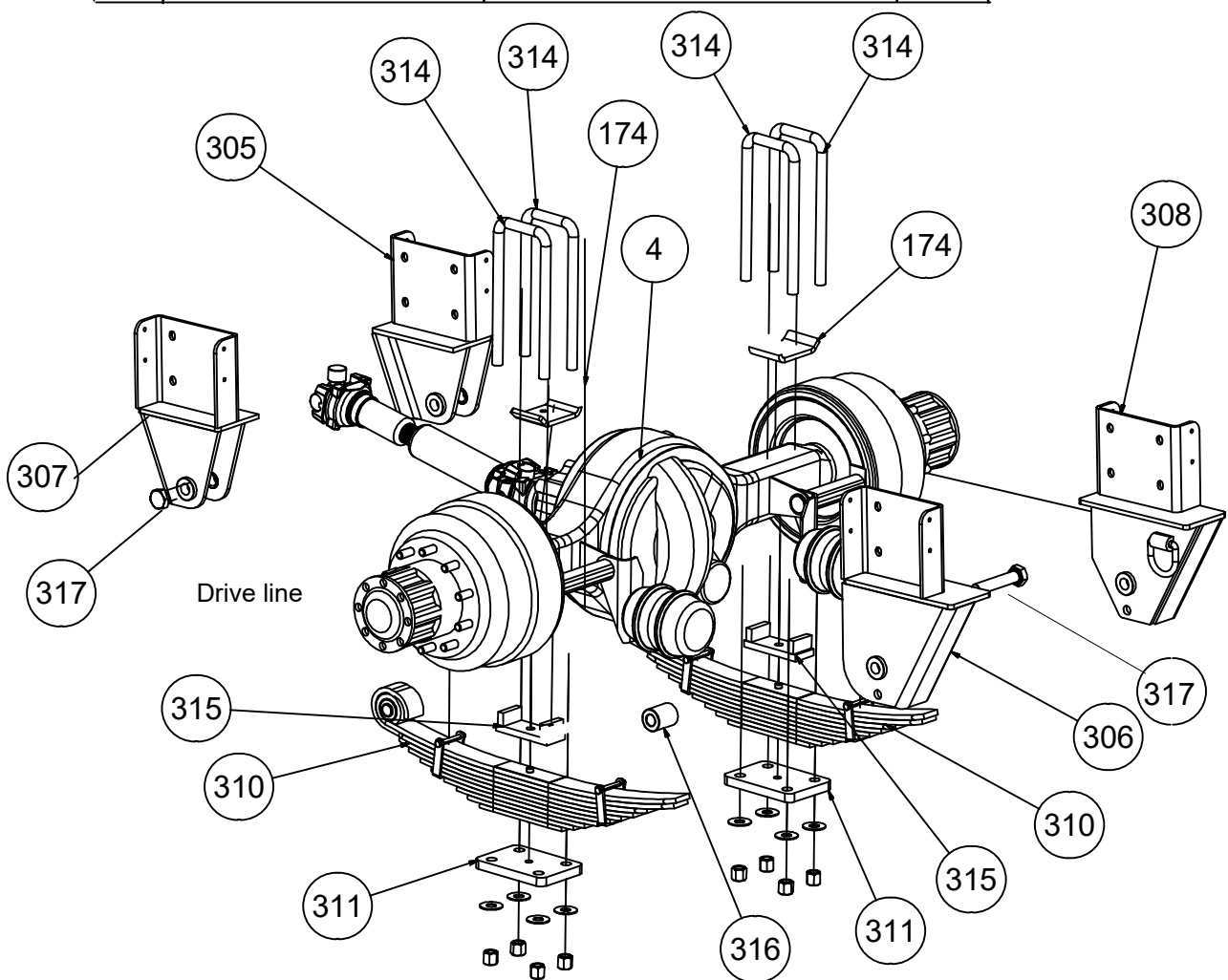
Brake Service ADB22-SD-7541

x1 Pad set (complete axle)	K129276	OTRD1369
x2 Rotor (one side)	K038574	OTR86718
x1 Caliper LH	K097851SC	OTR22X02A
x1 Caliper RH	K097850SC	OTR22X01A



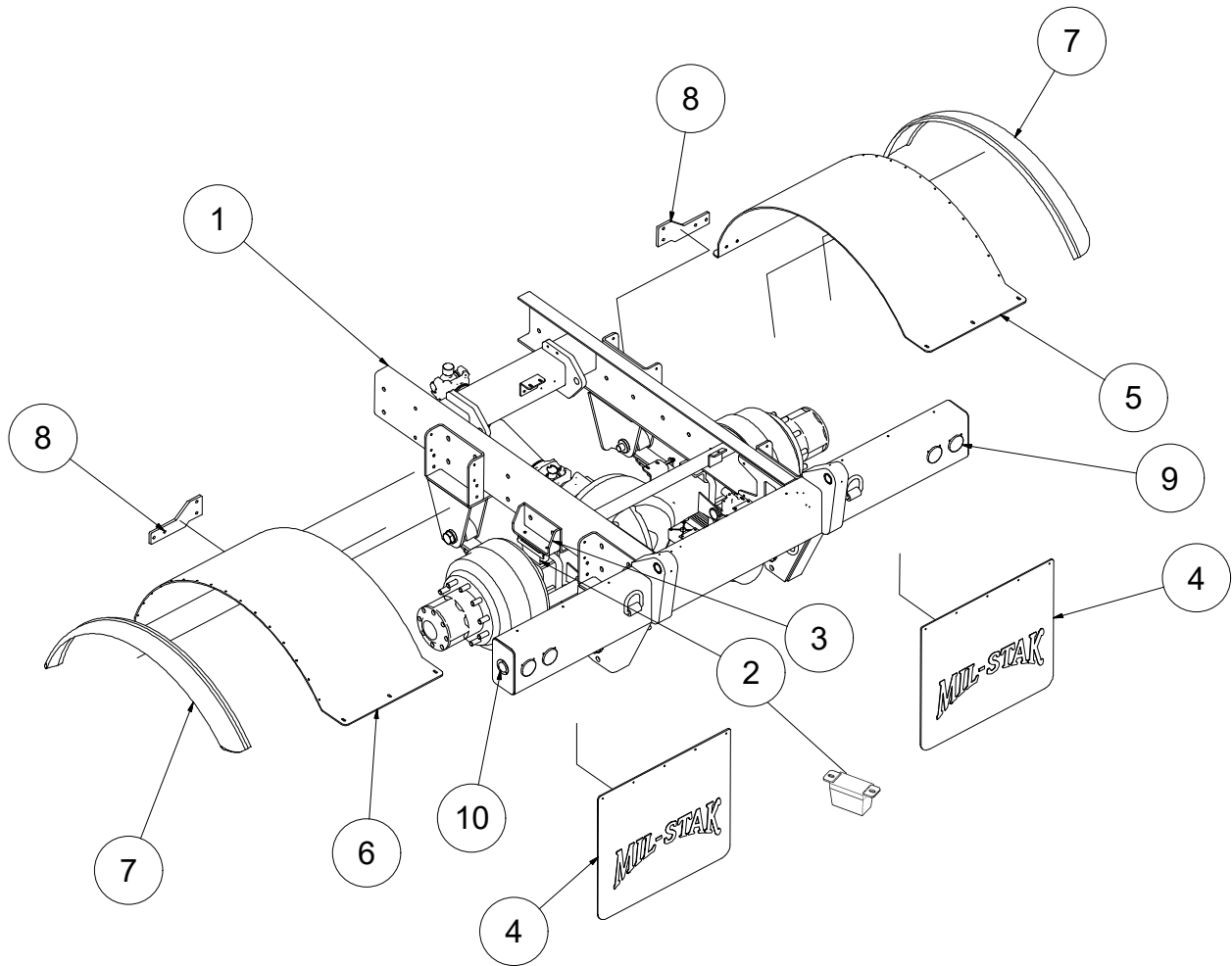
Oil bath widow kt
359-5912
Stemco

ITEM	PART NUMBER	DESCRIPTION	PAGE
4	100068	Dana Drive Axle	
174	100909	Drive Axle top spring Plate	
305	5A0881	Spring Hanger,Rear Axle Fr Rt	
306	5A0884	Spring Hanger,Rear Axle,Rear Left	
307	5A0882	Spring Hanger ,Rear Axle Fr Lft	
308	5A0883	Spring Hanger,Rear Axle,Rear Right	
310	6A0530	LEAF SPRING	
311	100465	UBOLT PLATE 1-1/8	
314	100129	1-1/8" Ubolt	
315	100467	AXLE BOX	
316	5P2107	Spring rest roller,Rear	
317	100708	Bolt, Spring mount x4 with castle-nut	



SP3255 Rear Fenders and misc.

ITEM	PART NUMBER	DESCRIPTION	QTY
1	100496	Stack Bed Pivot Sub Frame	1
2	101065	Axle Stop Bumper	2
3	100538	Axle Stop Brkt.	2
4	5P2215	Mud Flap,Rear	2
5	100803	Rear Fender ,Right	1
6	100805	Rear Fender,Left	1
7	101007	Flexy Flares Black 4-1/4" x 60	2
8	100811	Rear Fender Mount	2
9	5P6817	Work light,LED 1790 lumens,Grote	4
10	4P7581	Side Marker, Red	2



SP3255

7063282

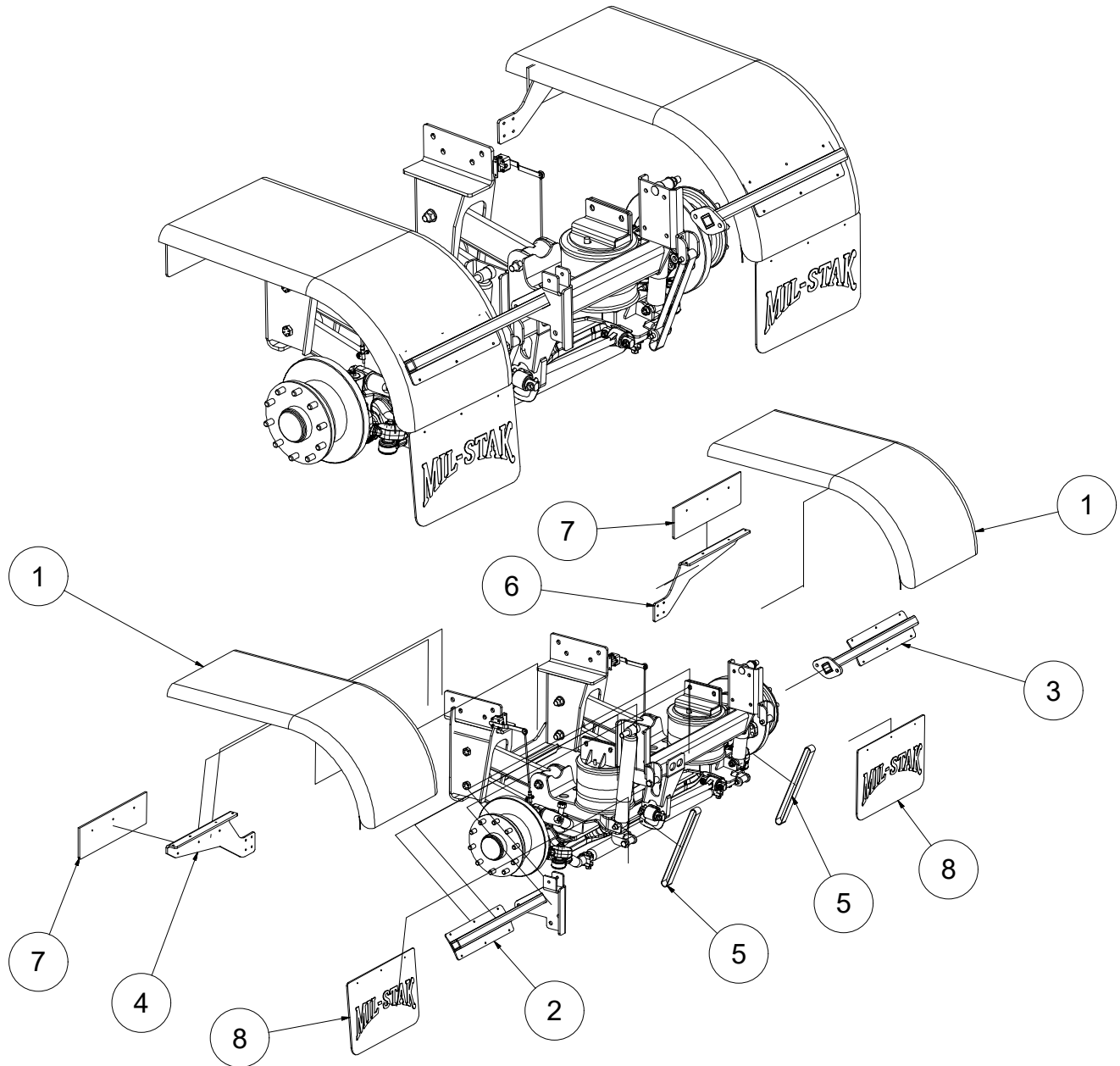
Quantity	Item	Description
1	-513527	HSG HARDWARE MODULE
1	54254	PLUG MAGNETIC
1	129492	PLUG FILL
4	131106	CAPSCREW - HEX
10	131105	CAPSCREW - HEX
8	131375	CAPSCREW - HEX
6	130877	WASHER - PLAIN
6	131105	CAPSCREW - HEX
1	-131433	END YOKE ASSY RI
1	170 4 1891 1	END YOKE
1	131214	SLINGER
1	129047	DIFF WIRING PIGTAIL
2	33548	LOCK WHL BRG NUT
2	126675	NUT WHL BRG, INNER
2	126676	NUT WHL BRG, OUTER
1	323875	HOUSING - R190 AXLE
1	131722	SHAFT - AXLE
1	131721	SHAFT - AXLE
1	-515766	HEAD ASSY S190D 683
1	-516527	STD HEAD PARTS
2	139969	BEARING CUP
1	134229	TAG - IDENTIFICATION
1	139968	BEARING CONE
1	139970	BEARING CONE
1	131070	SPACER - BEARING 8.080
1	134323	OILSEAL
1	131095	LOCKNUT - HEX, FLANGED
1	126187	BEARING
1	140014	BEARING CONE
1	140019	BEARING CONE
1	140012	BEARING CUP
1	140020	BEARING CUP
1	139992	ADJUSTER - BEARING, DIFF, FLANGE SIDE
1	139993	ADJUSTER - BEARING, DIFF, PLAIN SIDE
2	90311	COTTER PIN
1	-516507	WHEEL DIFF ASSY

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16	131473	CAPSCREW - HEX
1	131039	SPIDER - DIFF
4	131040	PINION, SIDE
2	300GD101	GEAR-SIDE
1	139998	CASE-DIFF, FLANGED HALF
1	140025	CASE-DIFF, PLAIN HALF
2	HS108	S/G THRUST WASHER
4	300HS100	S/P THRUST WASHER
1	-516515	DIFF LOCKUP ASSY
1	129034	WASHER NYLON
1	129035	SWITCH
1	210020	SPRING PIN
1	210180	O RING
1	131096	CAP - DIFF LOCK
1	134482	ROD - PUSH
1	140024	CLUTCH - SLIDING
1	131102	SPRING - COMPRESSION
1	140008	FORK - SHIFT
1	131665	O RING
1	-132482	CARRIER SUB - ASSY
1	131024	CARCASA DIF.FUNDIDA
1	131144	GP131199-131180 6.83
1	302704	COVER - AXLE HOUSING
1	66426	PLUG PLASTIC
46	29804	WASHER
2	30316	BEARING CONE
46	60600	NUT
30	88374	BOLT
2	126987	BEARING CONE
2	304446	OIL SEAL
1	K075422	BRAKE ASM ES16507H
1	K075423	BRAKE ASM ES16507H
2	302224	SENSOR BLOCK
2	976657	SLEEVE-SENSOR MOUNTING - BENDIX
2	X8C545	SCREW
16	1246V1166	AXLE SHAFT TAPERED DOWELS
2	127042	GASKET, AXLE SHAFT
2	975413	HUB & DRUM ASSY
2	976664	SENSOR ASSY - BENDIX

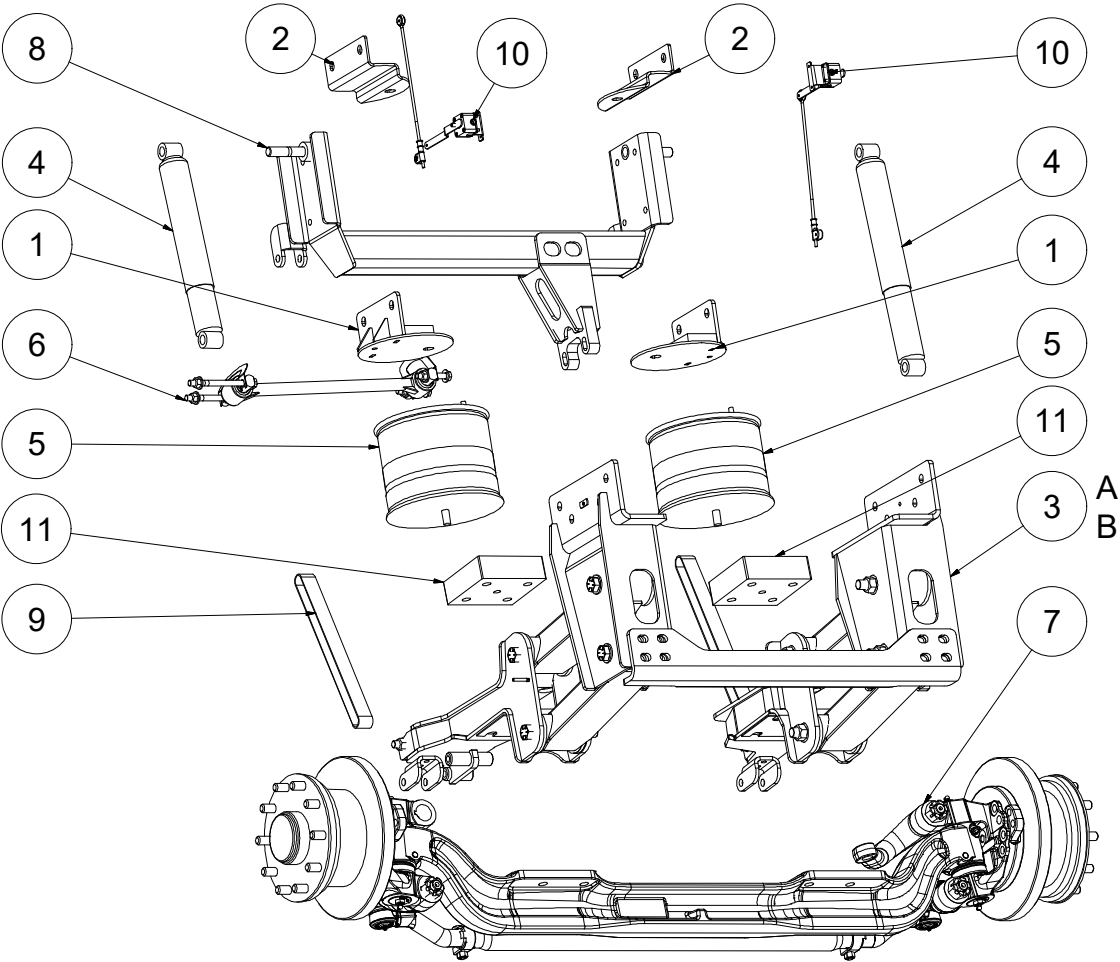
SP3255 Front Fender and Misc

ITEM	PART NUMBER	DESCRIPTION	QTY
1	5P1300	Half Fender ,Front set	2
2	100685	Safety Bar,Fender Mount	1
3	100692	Fender Mount Right side	1
4	100783	Fender mount ,Front Left	1
5	100720	Limt straps ,Parasteer	2
6	100782	Fender mount ,front right	1
7	5P2200	Mud Flap Short, Front Fender	2
8	5P210	Mud Flap Main Front Fender	2

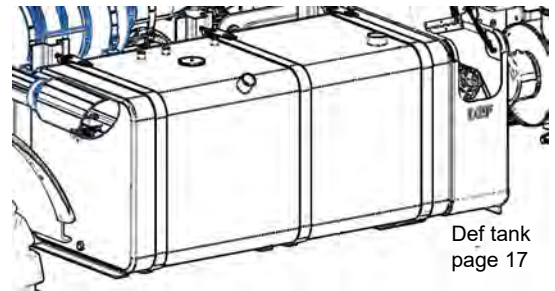
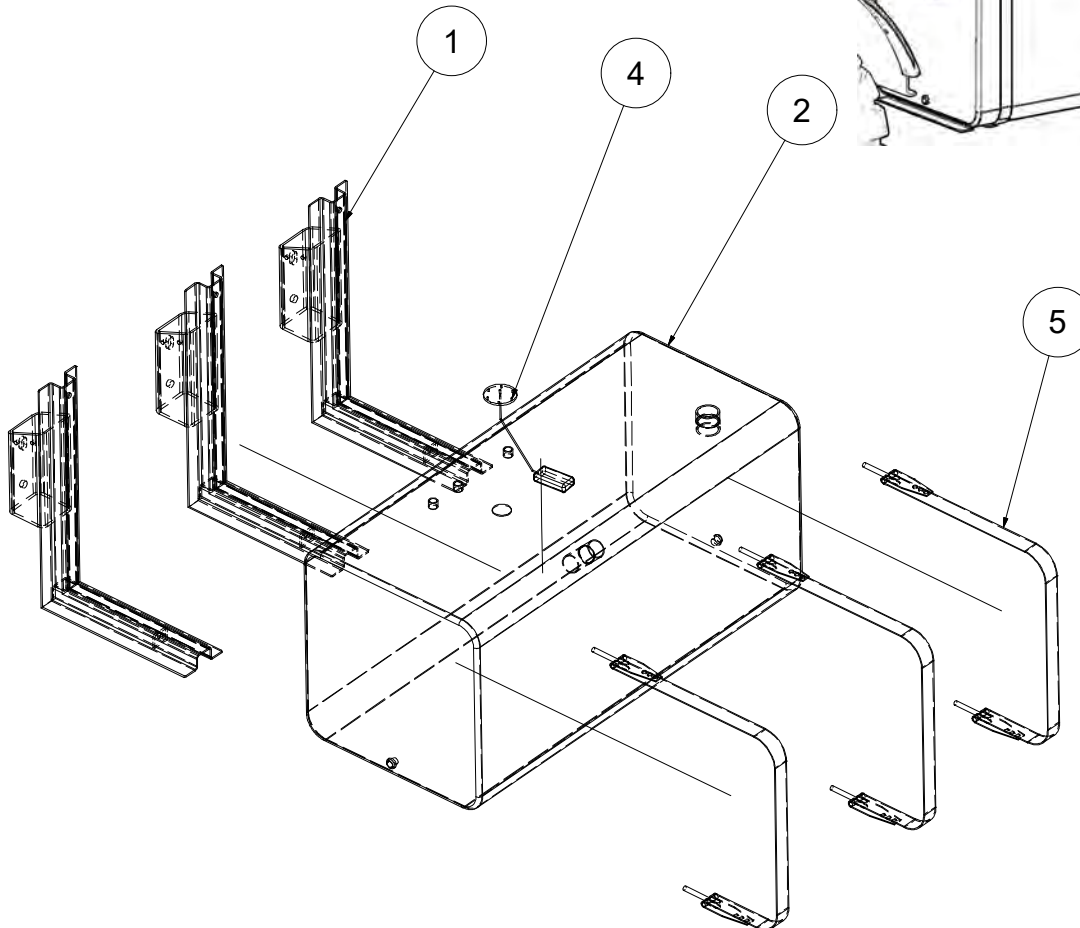


Front Suspension,Parasteer.

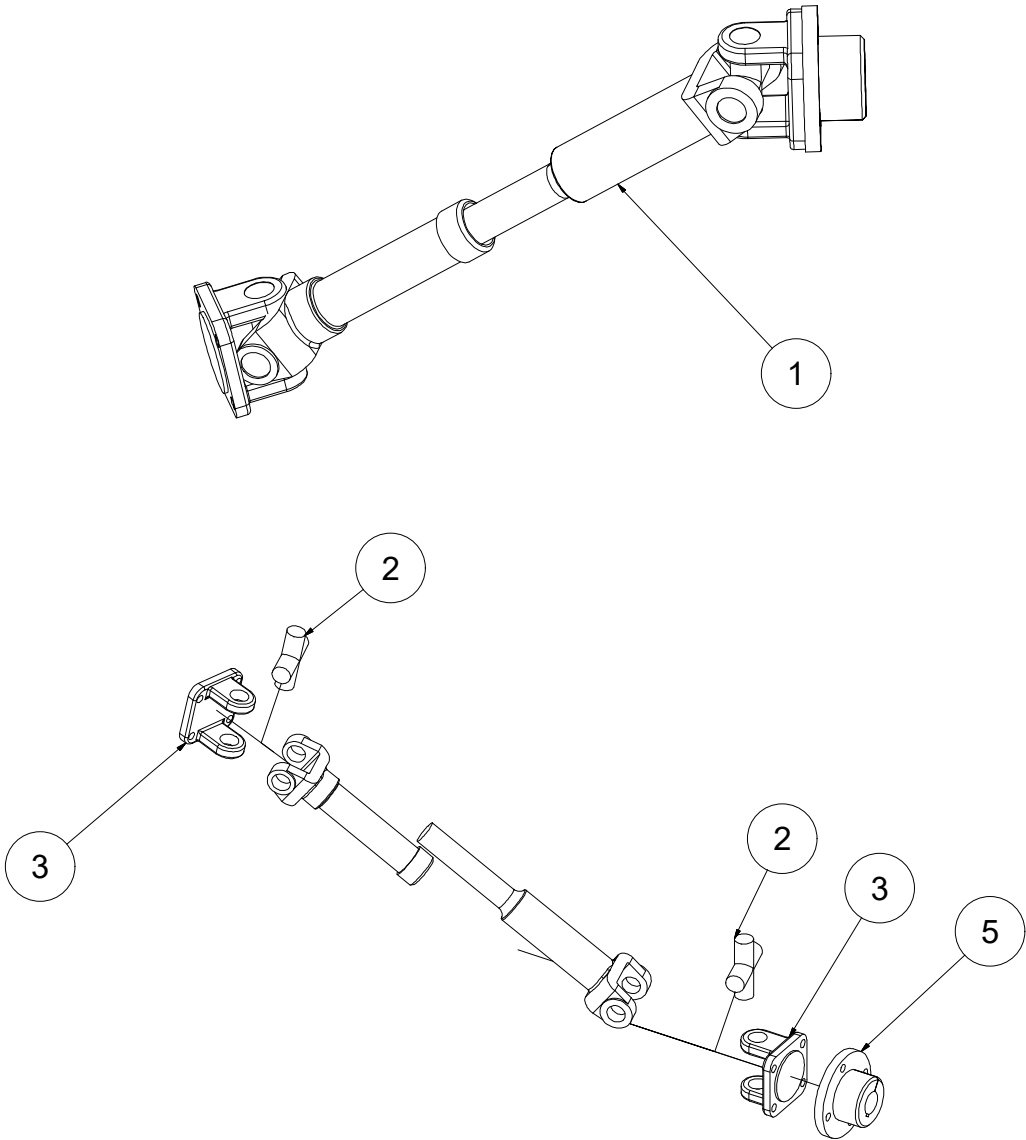
ITEM	PART NUMBER	DESCRIPTION
1	100301	Airbag Outer Top Mount
2	100319	Airbag inner top mount
3	100337	Parasteer,Milstak SP
4	6P0520	Shock Absorber,Front
5	100338	Air Bag ,Spring
6	100339 6P0555	Tee Bone Assembly,Parasteer
7	100363	Dana Steering Axle
8	100545	Crossmember,Parasteer
9	100720 -6P0576	Limit strap
10	5P7024	Leveling valve
11	101473	Spacer,Parasteer
3A	5P8190	Bushing , Parasteer
3B	5P8191	Washer ,Parasteer



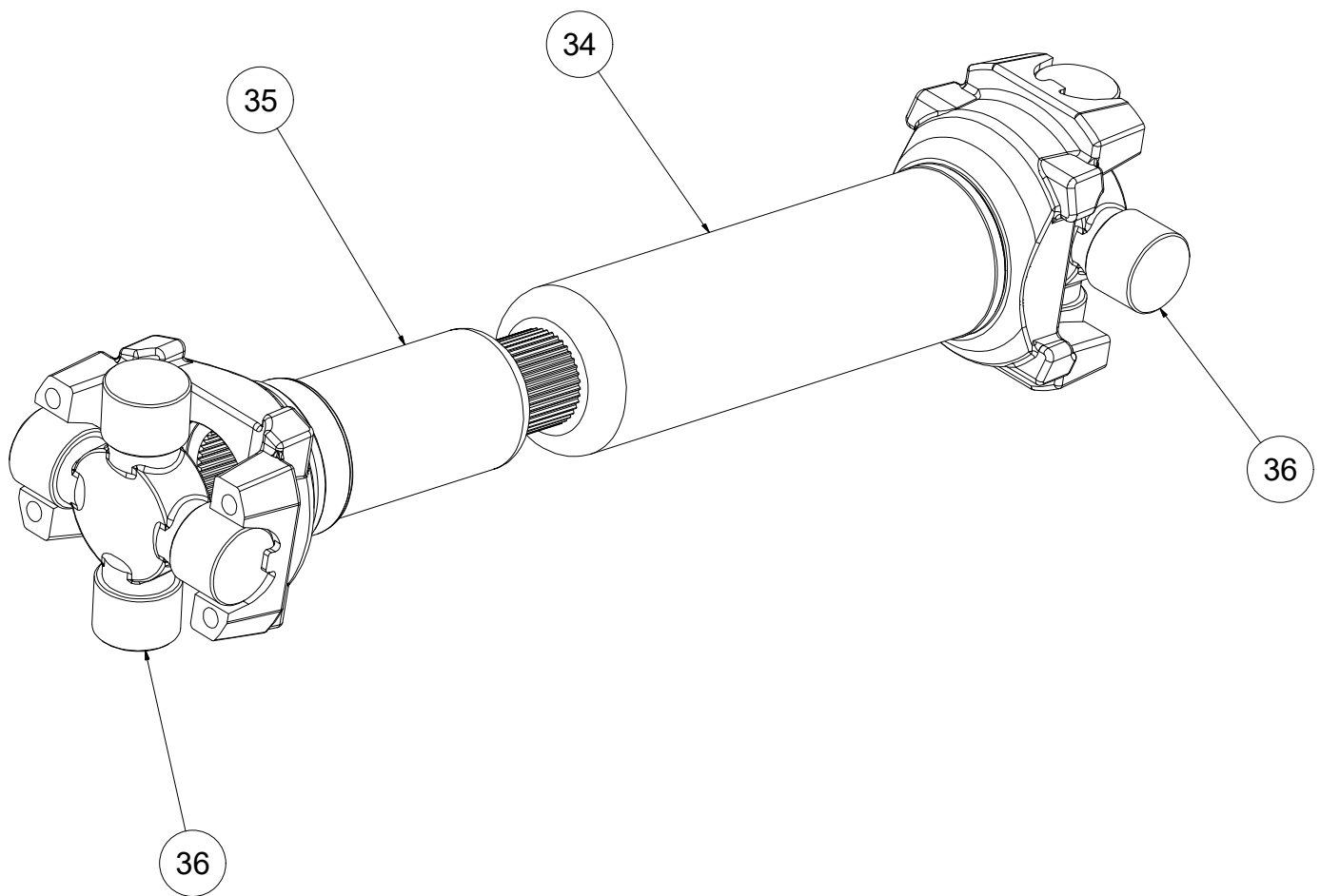
SP 3150 Fuel tank Assembly			
ITEM	PART NUMBER	DESCRIPTION	PAGE
1	5P1505	Tank Mount,Fuel	
2	5A1500	Fuel Tank 125 gal	
3	5P0598	Fuel Tank Standoff	
4	5P1510	level sender	
5	5P1506	Fuel Tank Straps	



PTO Drive Line 5A0990			
ITEM	PART NUMBER	DESCRIPTION	PAGE
1	5A0990	PTO Drive Assy	
2	5P7673	PTO U-Joint	
3	5P7674	Flanged Yoke	
5	5P7678	Splined Pinch Hub	



Main Drive line 5A0980			
ITEM	PART NUMBER	DESCRIPTION	PAGE
36	100379	Universal Joint	
34	100377	Rear Shaft ,Main Drive line.	
35	100378	splined Yoke, Drive Line	



SP/3150 Wheel / Tire Assemblies

6A0420 Tire / Wheel Assembly, Front Tire/Wheel Assembly, 560/45R22.5 CargoXbib
10-11.25-8.66 WHT

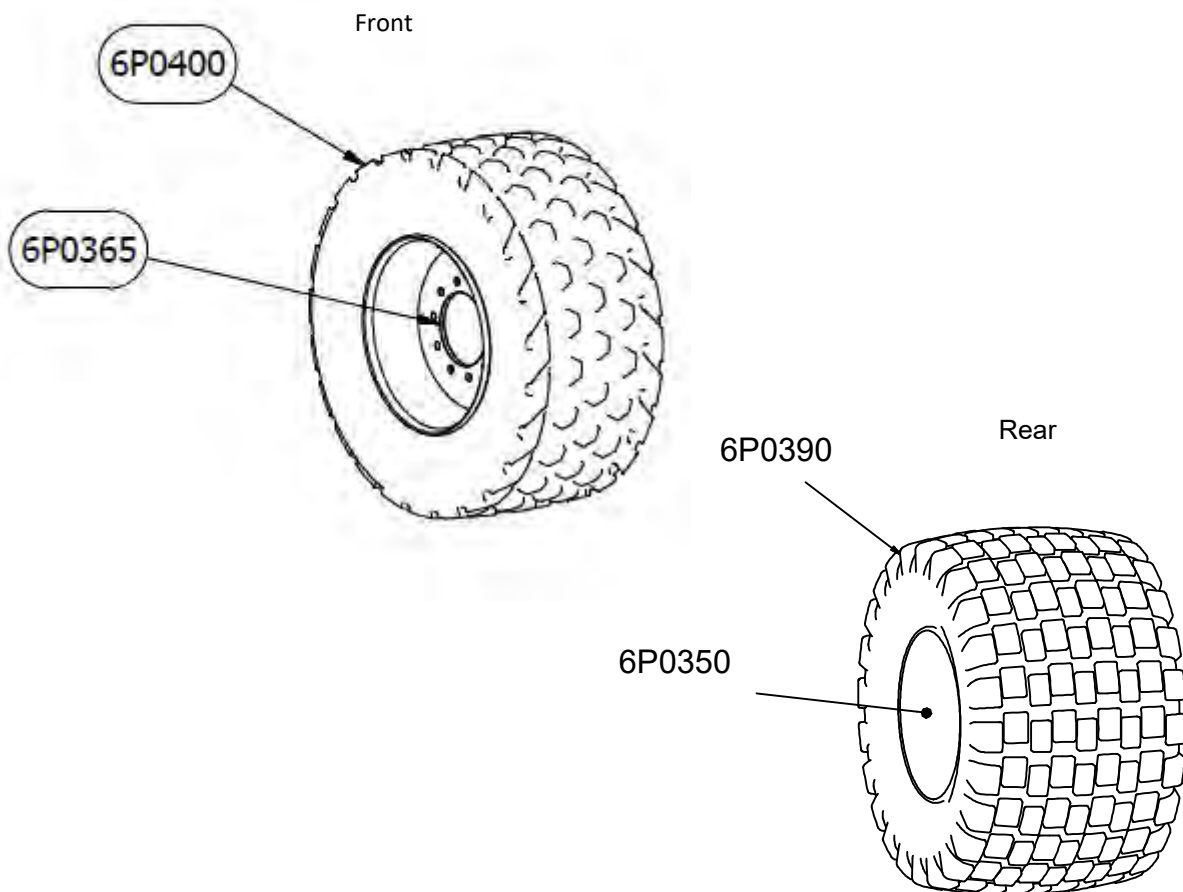
6P0400 Tire, 560/45R2205 CargoXbib Michelin

6P0365 Wheel, 22.5x16 Steel, Front Flotation

6A0418 Tire / Wheel Assembly, Drive

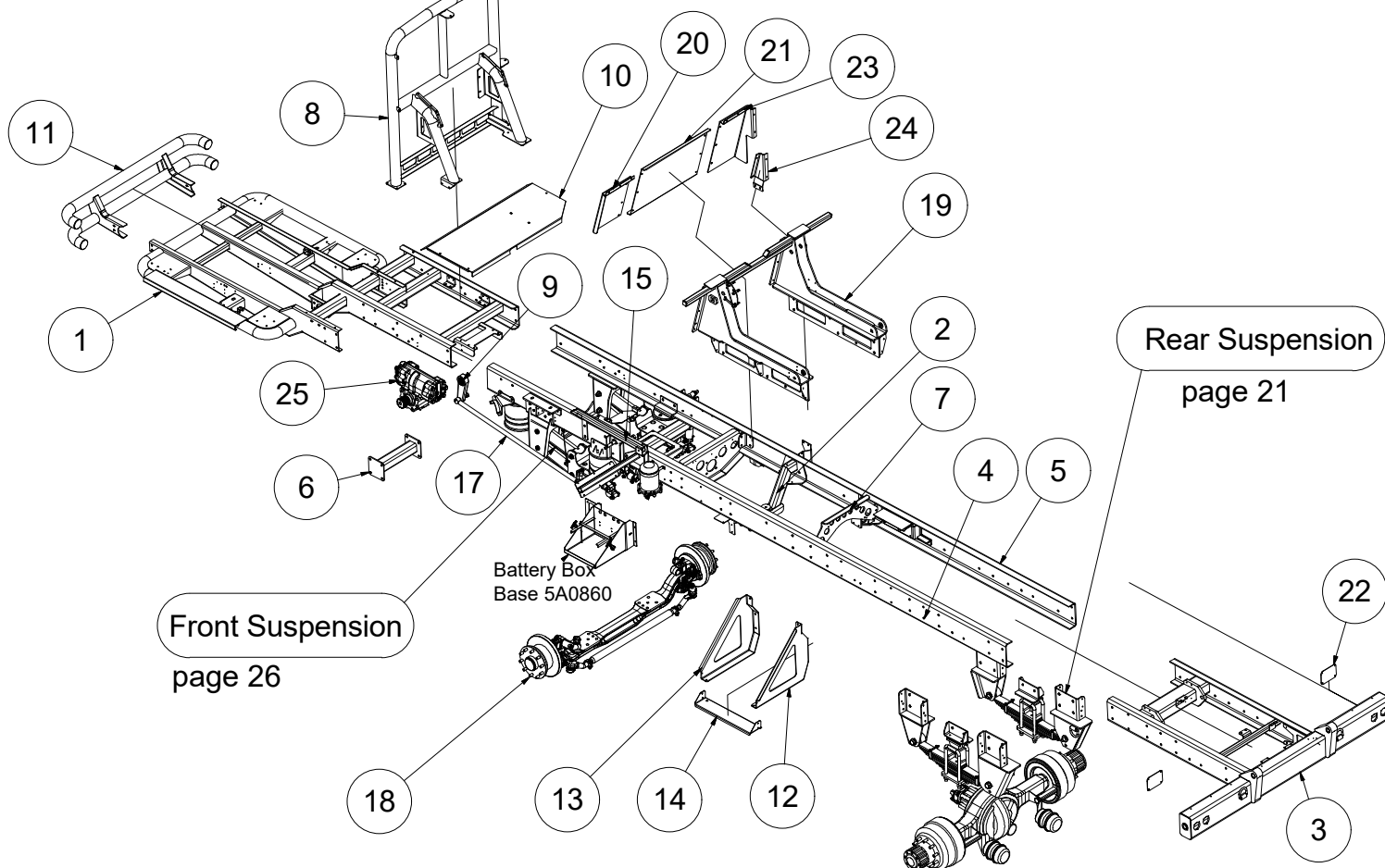
6P0350 Steel Wheel, 22.5 x 24 220.1mm hub pilot 285.75mm bolt circle

6P0390 Tire, 710/45R22.5 Michelin CargoXbib



SP3255

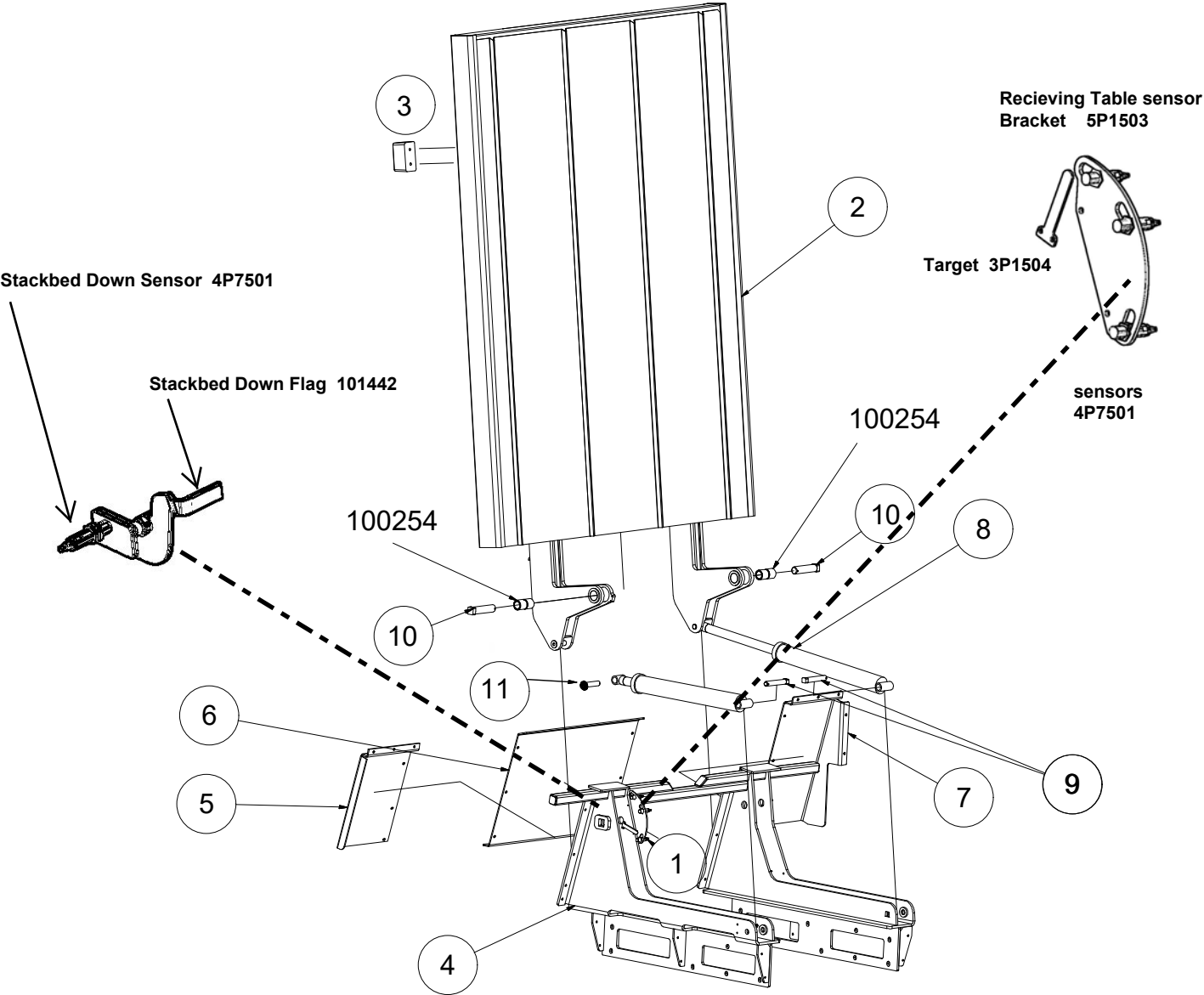
ITEM	PART NUMBER	DESCRIPTION	PAGE
1	100706	Cab Sub Frame Assy	
2	5A0573	Front Engine Mount x member	
3	100496	Stack Bed Pivot Sub Frame	
4	100640	Frame Rail, Left	
5	100785	Frame Rail, Right	
6	5P0542	Sub Frame Side Extension	
7	5P0814	Hydraulic pump mount channel	
8	5A1055	Cab Guard	
9	5P2102	Sheppard Pittman Arm	
10	5A0575	Deck Cover Weldment	
11	5A0455	Front Bumper	
12	5A0821	Mount, Hyd Tank Rear Weldment	
13	5A0896	Mount, Hyd Tank Front Weldment	
14	5P1090	Hyd Tank Step	
15	3P0036	Safety Bar	
16	100337	Parasteer,Milstak SP	
17	5A0997	Drag link Assy	
18	100363	Dana Steering Axle	
19	100729	A-Frame SP	
20	100738	A-Frame Cover,left	
21	100735	A-frame Engine Cover	
22	100750	Access Cover ,Rear Bumper	
23	101111	A-Frame Cover,Right stage5	
24	101237	Air Filter Inner Mnt	
25	5A2100	Steering Gear, Sheppard XD120	



Stacker

RECEIVING TABLE	33
STACKBED	34
ROLLING RACK	39
PUSHOFF	39
MIL-STAK CLAMP	42

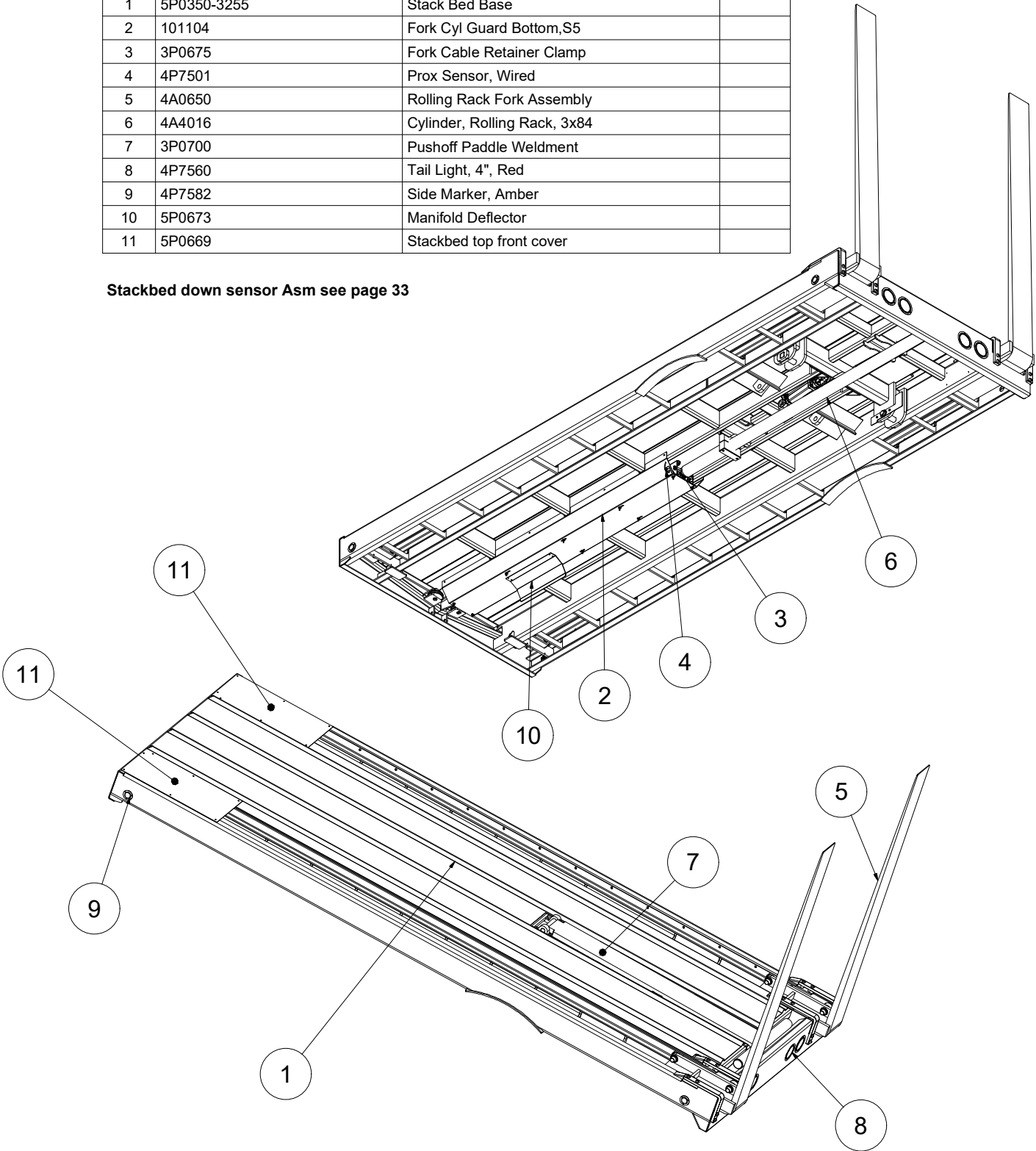
Receiving Table -A Frame		
ITEM	PART NUMBER	DESCRIPTION
1	4P7501	Proximity Sensor
2	5P1250	Receiving Table,Narrow SP
3	4P1000	Rubber Bumper, 3" High, 6" Wide, 3-1/2" Deep
4	100729	A-Frame SP
5	100738	A-Frame Cover,left
6	100735	A-frame Engine Cover
7	101111	A-Frame Cover,Right stage5
8	4A4030	Hydraulic Cylinder, 3 x 24
9	3P1045	Pin, Receiving Table Cylinder Rear
10	3P1046	Pin, Table/Bed Pivot
11	3P1025	Pin, Receiving table Cylinder Rod front



SP3255

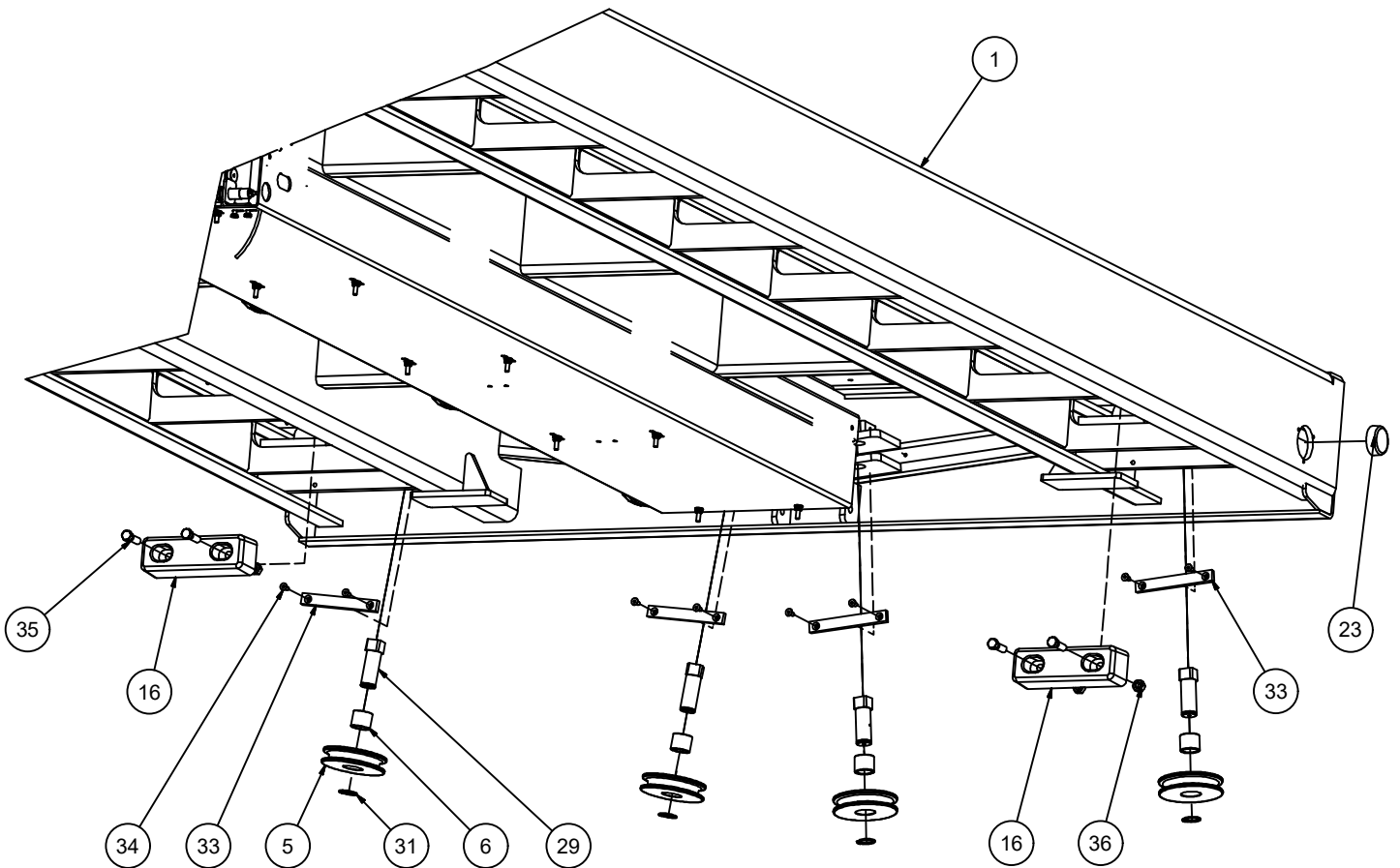
SP3255 Stackbed Asm			
ITEM	PART NUMBER	DESCRIPTION	PAGE
1	5P0350-3255	Stack Bed Base	
2	101104	Fork Cyl Guard Bottom,S5	
3	3P0675	Fork Cable Retainer Clamp	
4	4P7501	Prox Sensor, Wired	
5	4A0650	Rolling Rack Fork Assembly	
6	4A4016	Cylinder, Rolling Rack, 3x84	
7	3P0700	Pushoff Paddle Weldment	
8	4P7560	Tail Light, 4", Red	
9	4P7582	Side Marker, Amber	
10	5P0673	Manifold Deflector	
11	5P0669	Stackbed top front cover	

Stackbed down sensor Asm see page 33



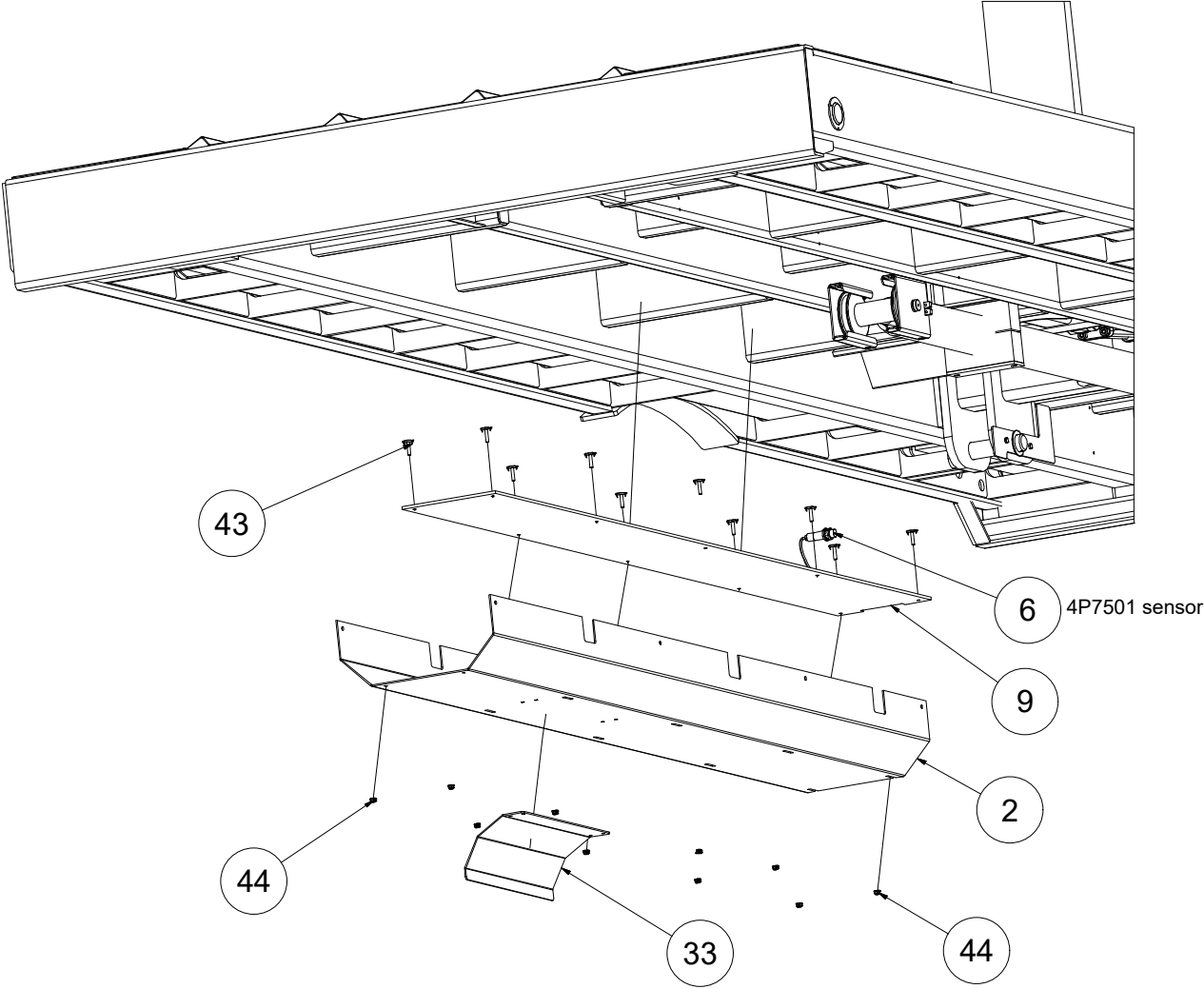
Stack Bed Parts, Front

ITEM	PART NUMBER	DESCRIPTION	PAGE
1	100264	Stack Bed Base	
5	3P0630	Cable Pulley Body, Large	
6	3P0545	Cable Pulley Bearing	
16	4P1005	Rubber Bumper, Rolling Forks, Pushoff	
23	4P7575	Side Marker, Amber	
29	3P0645	Pin, Rolling Rack Pulley	
31	5R1081	Snap ring	
33	3P0685	UHMW Spacer, Rolling Rack Cable	
34	4P5305	Screw, Socket Head, Countersunk .25-20 x .625	
35	3R9081	Hex Bolt 7/16-14x1 1/2 Grade 8	
36	3R9564	Hex Nuts 7/16-14 Grade 8	



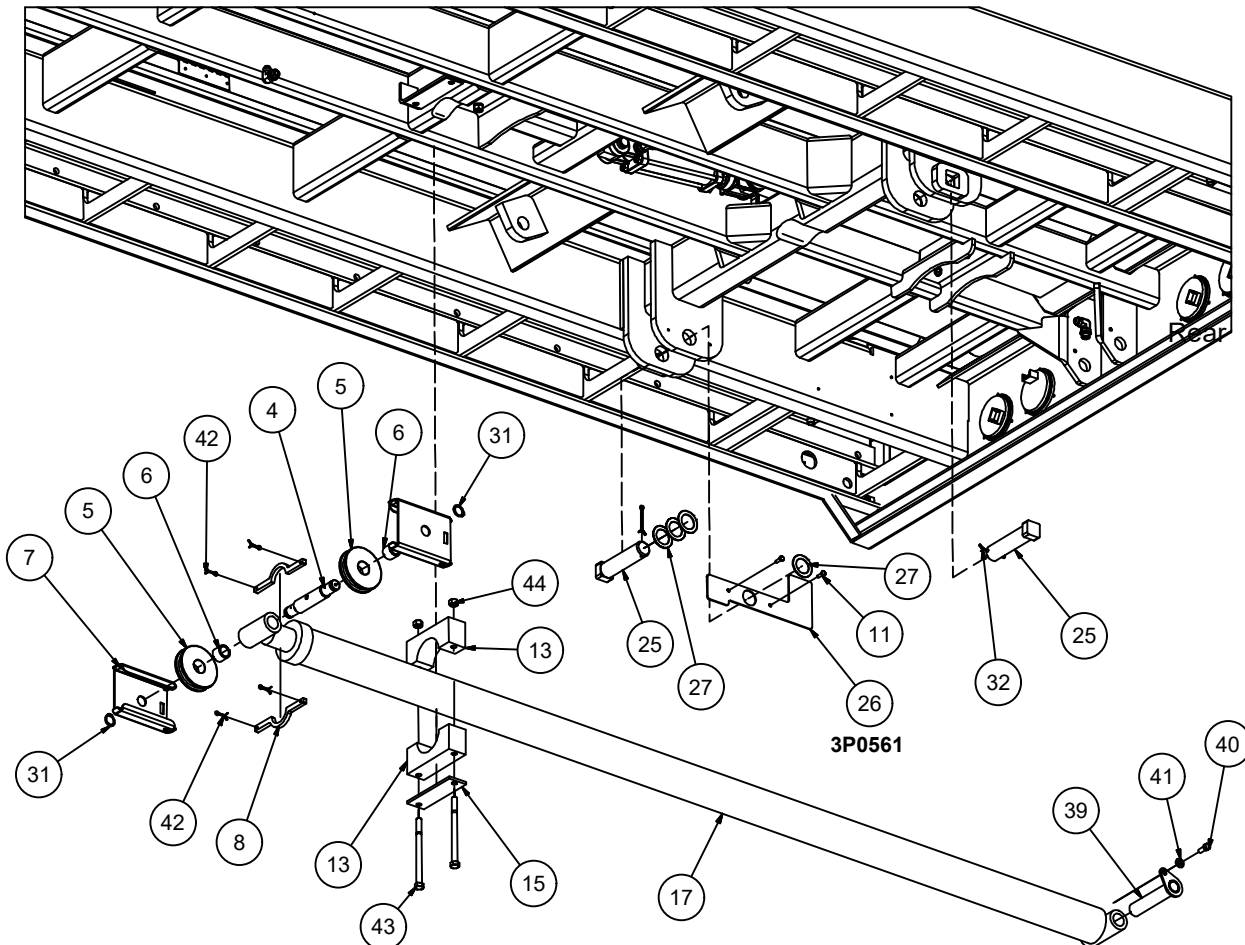
SP3255

ITEM	PART NUMBER	DESCRIPTION	PAGE
1	5P0350-3250	Stack Bed Base	
2	101104	Fork Cyl Guard Bottom,T4	
9	100214	Fork Cylinder UHMW Wear Strip	
33	5P0673	Manifold Deflector	
43	4P5005	Bolt, 1/4-20 x .75, Elevator	
44	4P5015	Nut, 1/4-20, Flanged Nyloc	



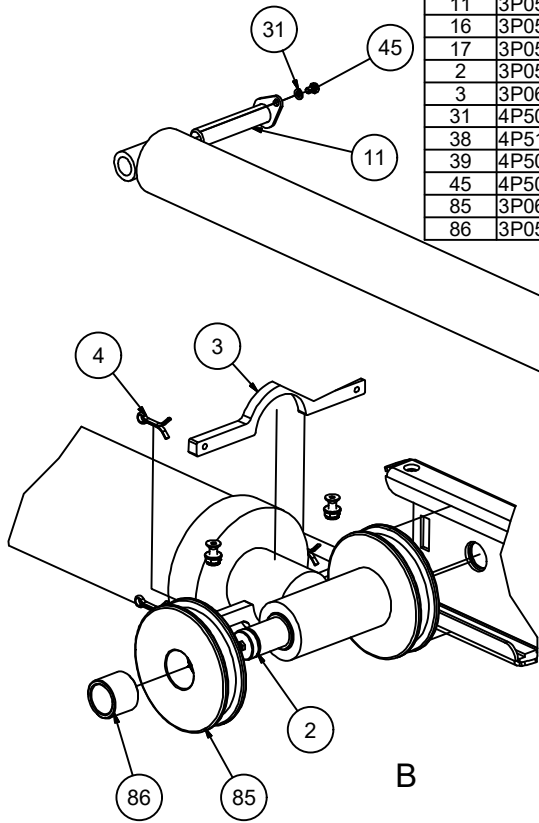
Stack Bed Bottom,Rear

ITEM	PART NUMBER	DESCRIPTION	PAGE
1	100264	Stack Bed Base	
4	3P0555	Pin, Fork Cylinder Front	
5	3P0630	Cable Pulley Body, Large	
6	3P0545	Cable Pulley Bearing	
7	3K0680	Cable Retainer With Wear Strips	
8	3P0675	Fork Cable Retainer Clamp	
11	4P5095	Hex Bolt, 1/4-20 x 0.75	
13	3P0540	UHMW Fork Cylinder Retainer	
15	3P0539	Fork Cylinder Retainer Bottom Plate	
17	4A4016	Cylinder, Rolling Rack, 3x84	
25	3P1046	Pin,Table/ Bed Pivot	
27	4P5350	Shim, 1.5"	
31	5R1081	Snap ring	
32	4P5340	Cotter Pin, .156 x 2.5	
39	3P0565	Pin, Fork Cylinder, Rear	
40	4P5085	Hex Bolt, 3/8-16 x 1	
41	4P5100	Washer, 1/2, Spring Lock	
42	4P5355	Cotter Pin, .156 x .75	
43	4P5080	Hex Bolt, 1/2-13 x 7	
44	4P5090	Hex Nut, 1/2-13	

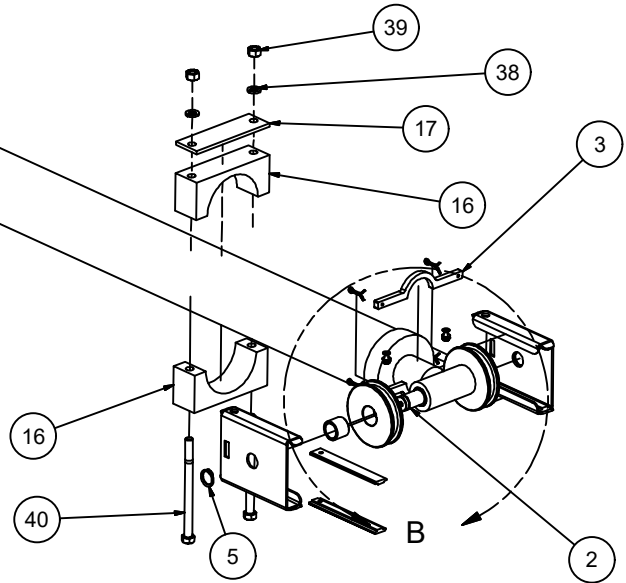


ITEM	PART NUMBER	DESCRIPTION	PAGE
1	3A0631	Cable Pulley Assembly	
11	3P0565	Pin, Fork Cylinder, Rear	
16	3P0538	UHMW Fork Cylinder Retainer	
17	3P0539	Fork Cylinder Retainer Bottom Plate	
2	3P0555	Pin, Fork Cylinder Front	
3	3P0675	Fork Cable Retainer Clamp	
31	4P5020	Washer, 3/8, Spring Lock	
38	4P5100	Washer, 1/2, Spring Lock	
39	4P5090	Hex Nut, 1/2-13	
45	4P5060 /4P0631with bushing	Hex Bolt, 3/8-16 x .5	
85	3P0630	Cable Pulley Body, Large	
86	3P0545	Cable Pulley Bearing	

A



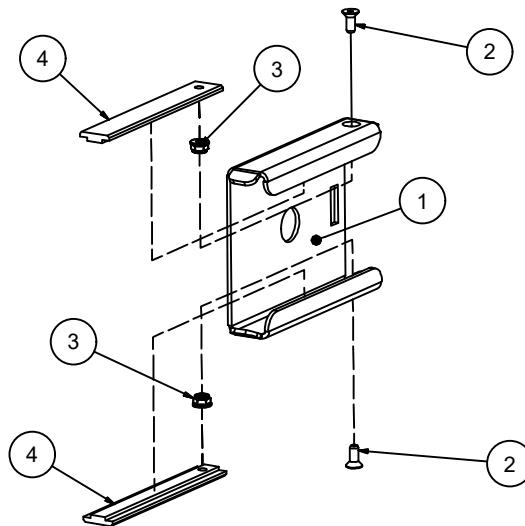
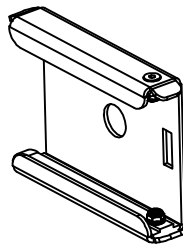
B



B

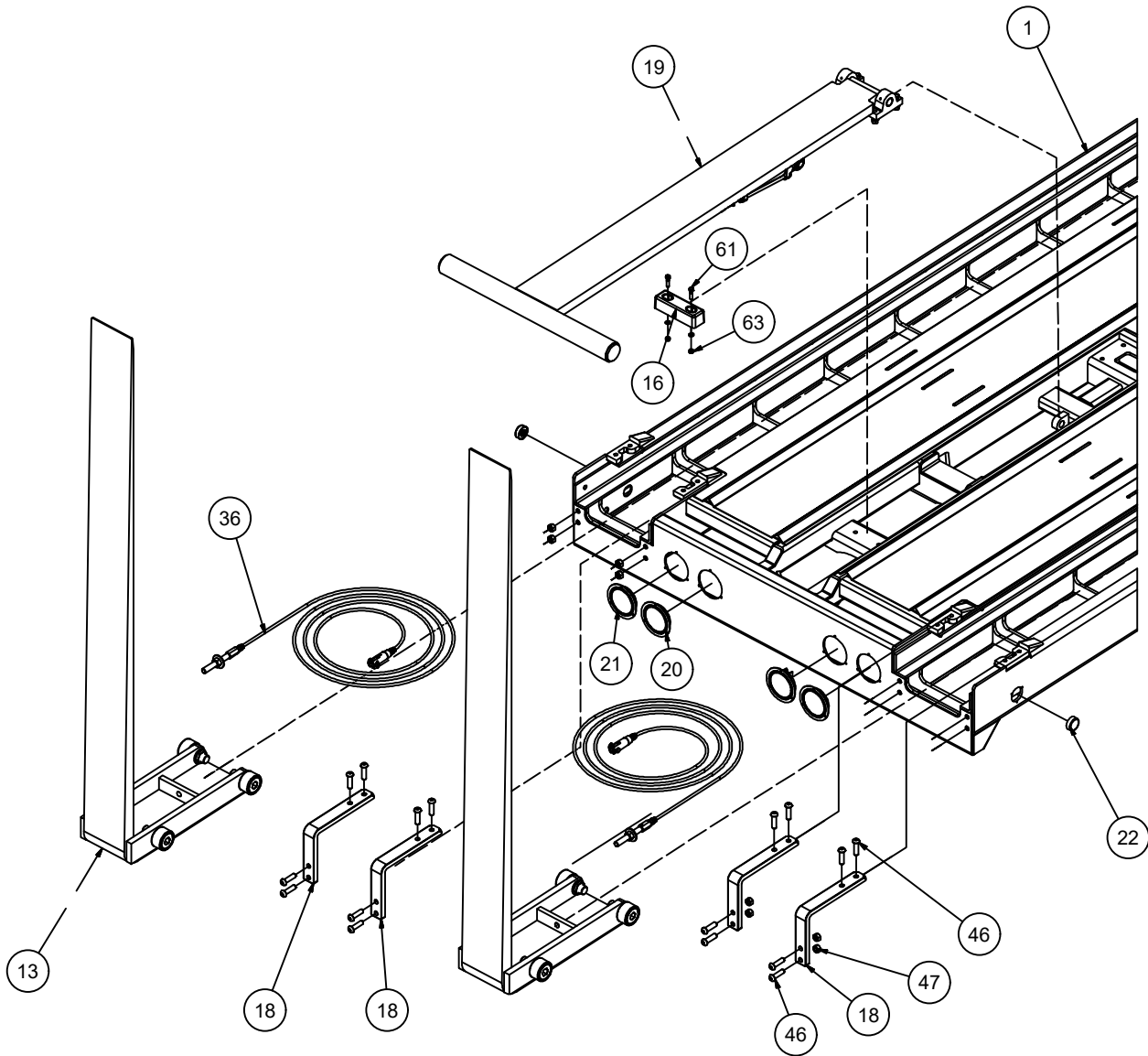
Rolling Rack Cable Retainer Assembly
3K0680

ITEM	PART NUMBER	DESCRIPTION	PAGE
1	3P0680	Fork Cylinder Cable Retainer	
2	4P5305	Screw, Socket Head, Countersunk .25-20 x .625	
3	4P5015	Hex Nut, 1/4-20, Flanged Nyloc	
4	3P0690	Cable Retainer Wear Strip	

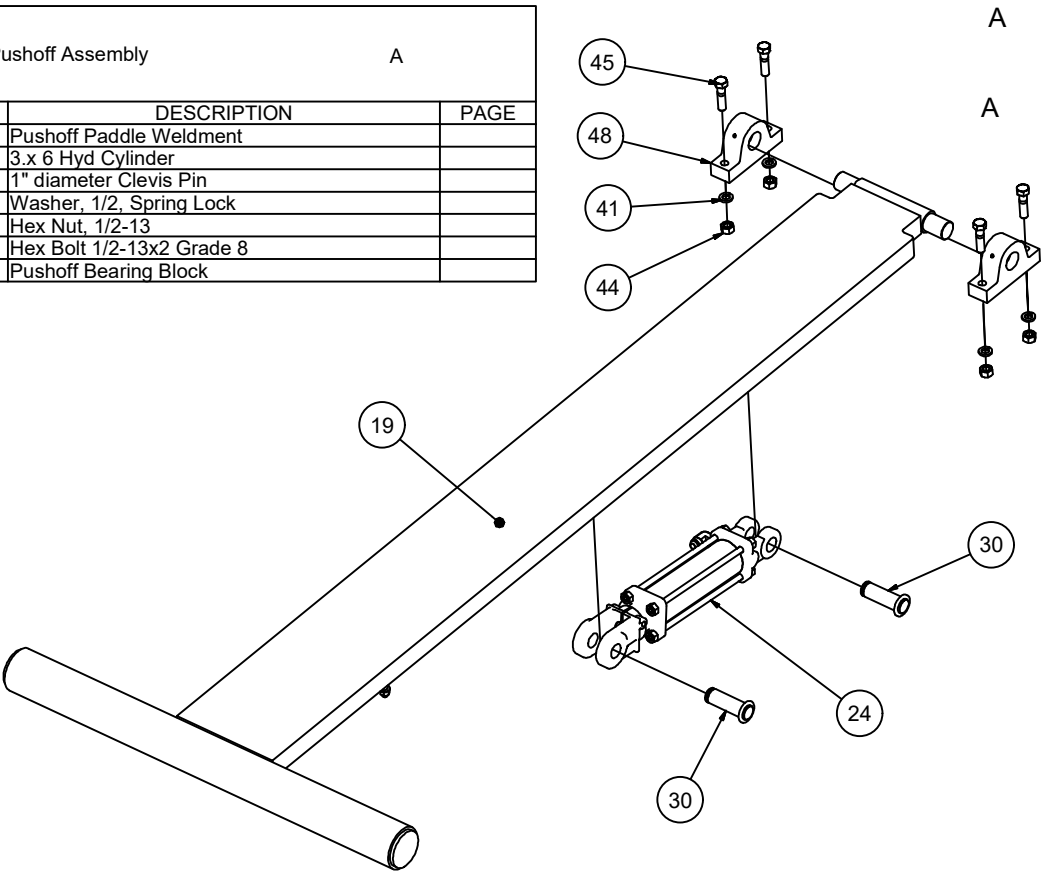


Stack Bed Parts, Rear

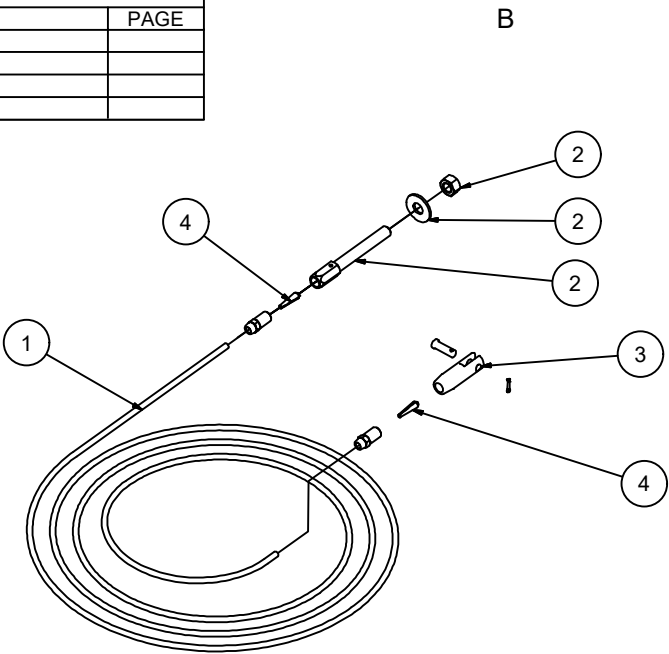
ITEM	PART NUMBER	DESCRIPTION	PAGE
1	100264	Stack Bed Base	
13	4A0650	Rolling Rack Fork Assembly	
16	4P1005	Rubber Bumper, Rolling Forks, Pushoff	
18	3P0507	Stack Fork Roller Guide End Cap	
19	3P0700	Pushoff Paddle Weldment	
22	4P7570	Side Marker, Red	
36	3A5012	Cable Assembly, Rolling Rack	
46	4P5050	Hexagon Socket Button Head Cap Screw	
47	4P5110	Hex Nut, 5/8-11	
61	3R9056	Hex Bolt, 3/8-16x1 1/2 Grade 8	
63	3R9563	Nut, 3/8-16	



Pushoff Assembly			
ITEM	PART NUMBER	DESCRIPTION	PAGE
19	3P0700	Pushoff Paddle Weldment	
24	4A4065	3.x 6 Hyd Cylinder	
30	2P5100	1" diameter Clevis Pin	
41	4P5100	Washer, 1/2, Spring Lock	
44	4P5090	Hex Nut, 1/2-13	
45	3R9108	Hex Bolt 1/2-13x2 Grade 8	
48	3P0709	Pushoff Bearing Block	



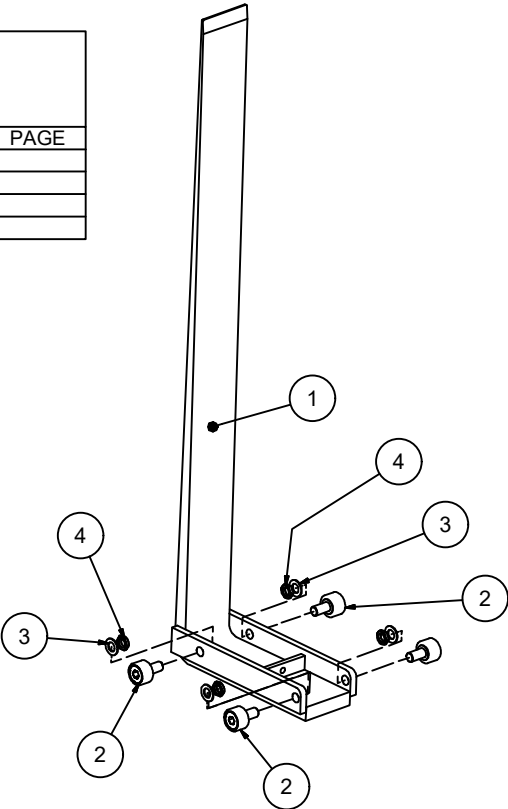
Rolling Rack Cable Assembly 3A5012			
ITEM	PART NUMBER	DESCRIPTION	PAGE
1	3P5010	Cable	
2	3P5020	Fork Cable Bolt	
3	3P5015	Fork Cable Clevis Assembly	
4	3P5025	Plug	



A

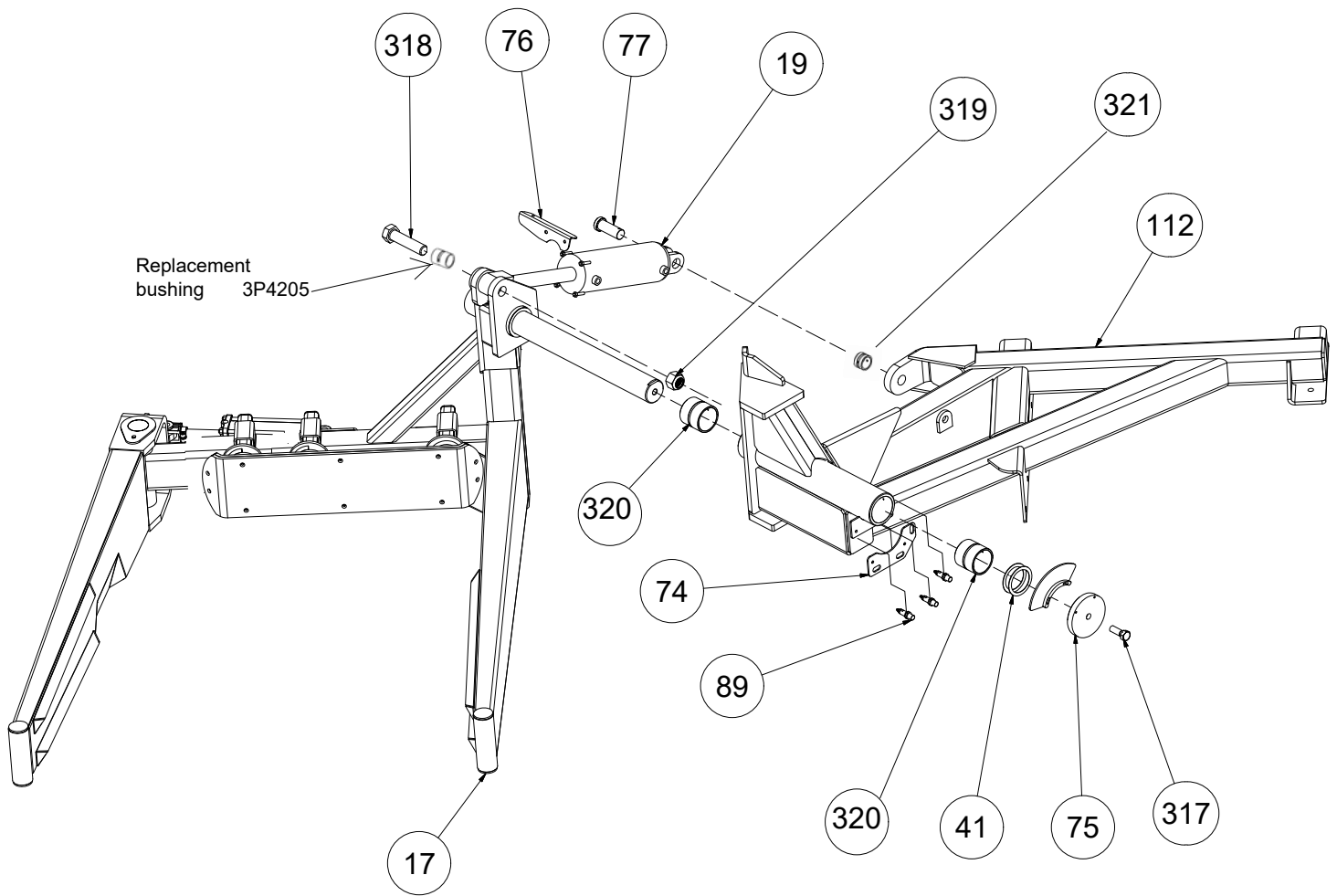
B

ITEM	PART NUMBER	DESCRIPTION	PAGE
1	3P0650	Rolling Rack Fork Weldment	
2	4P0560	Rolling Rack Roller	
3	4P0570	Washer, Rolling Rack Roller	
4	4P0576	Nyloc-Nut, Rolling Rack Roller	



SP3255

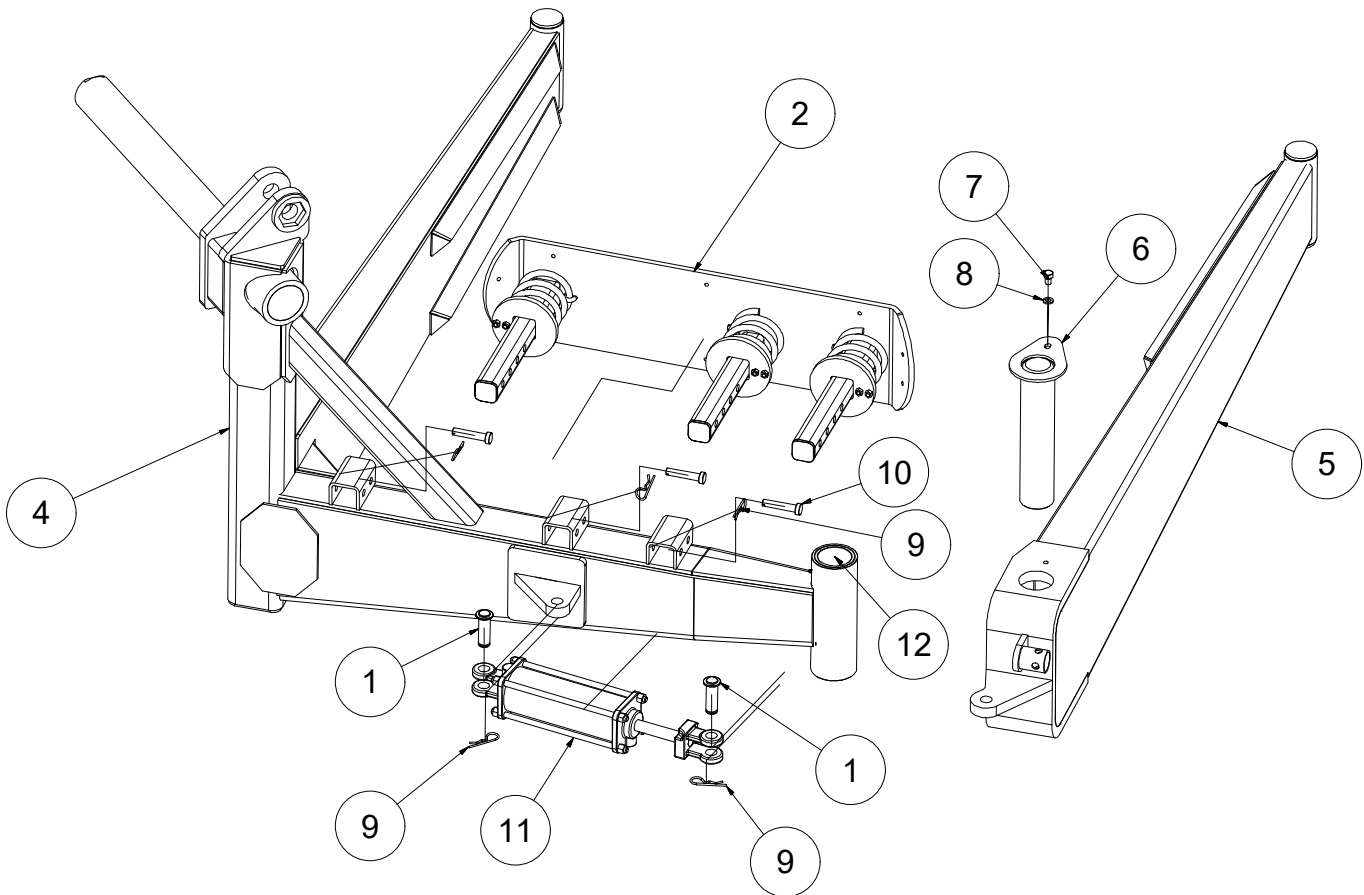
ITEM	PART NUMBER	DESCRIPTION	PAGE
112	5A0610	SP CPF Mounting Bar	
89	4P7501	Proximity Sensor	
74	3P1521	Sensor Bracket for CPF	
17	3P0750	Left Arm Weldment, PT/SP Non adjustable	
41	1P0150	Shim, .0625, Pivot Shaft	
75	3P2102	Shaft Cap, Keyed	
19	4A4035W	Hydraulic Cylinder 5x12 Pin Eye, Welded	
76	3P2105	Bracket, Hose Mount Loader Cyl	
77	5P5255	Bolt, Lift Cyl Base	
317	2P5475	Hex Bolt, 7/8-14 x 2.5, Grade 8	
318	5P5375	Hex Bolt 1.5-6, Lift Cylinder	
319	4P5380	Hex Nut, 1.5-6	
320	3P0116	Bronze Bearing	
321	100582	Hardened bushing 1.5	



The SP3255 has the non adjustable clamp as standard. The adjustable option on page 61

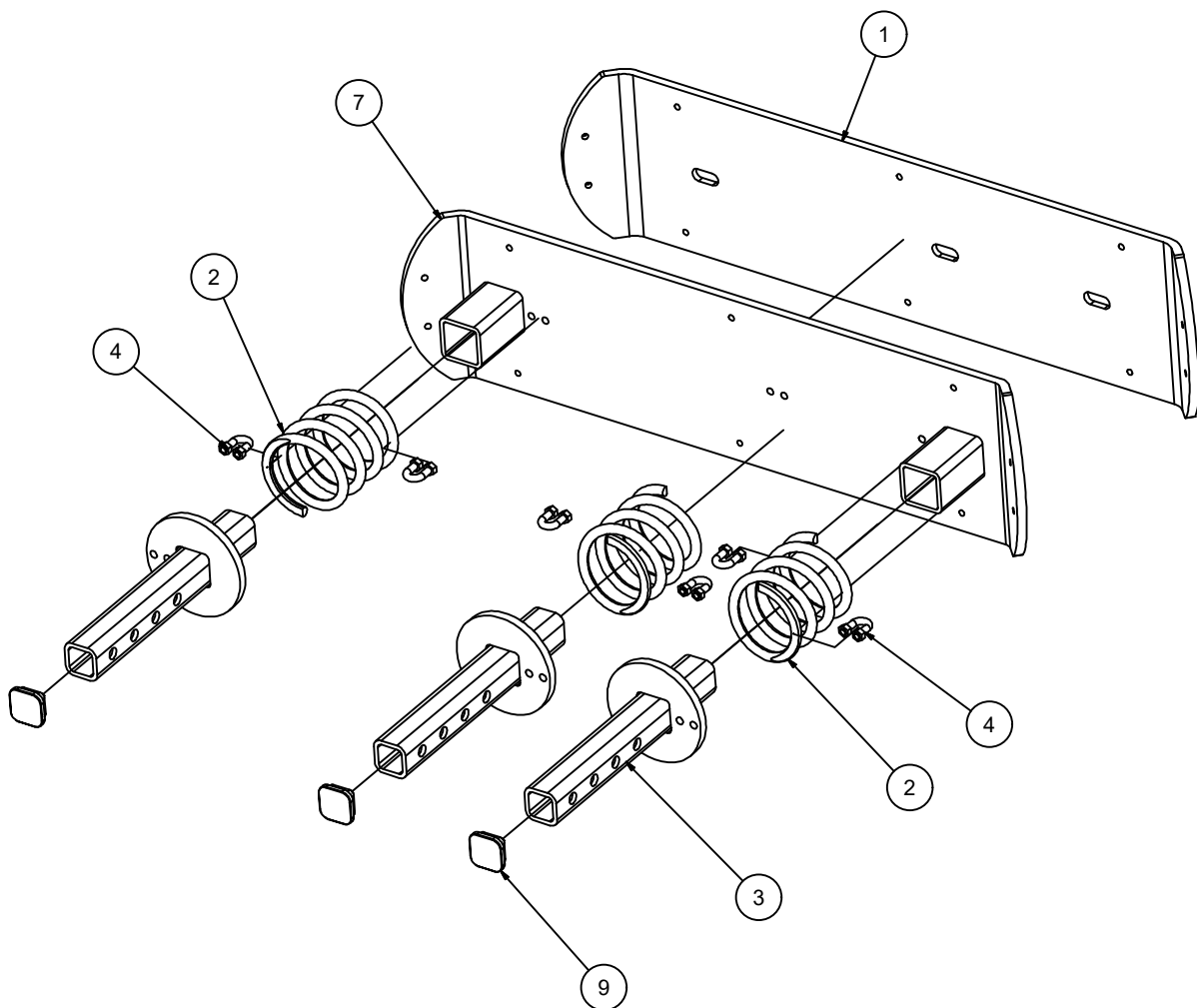
Standard Non Adjustable Clamp

ITEM	PART NUMBER	DESCRIPTION
1	2P5100	1" diameter Clevis Pin
2	1A2010	Cushion Bumper Assembly, Large
3	4P5165	Grease Zerk, 1/4-28, Straight
4	3P0750	Left Arm, PT/SP 3x4
5	1P1010 Replaced by 101521	Right Arm Gen 2
6	1P1510	Pivot Pin, Right Arm
7	4P5135	Bolt, 1/2-13 x .75
8	4P5100	Washer, 1/2, Spring Lock
9	4P5170	Hairpin, Size 9
10	2P6116	Adjusting Pin, Bale Cushion
11	2A4100	Hydraulic Cylinder, 3.5 x 8
12	100611	Bronze Bushing 2-15/16 2 required



Bumper Assembly for 3x4 and 4x4 Bales

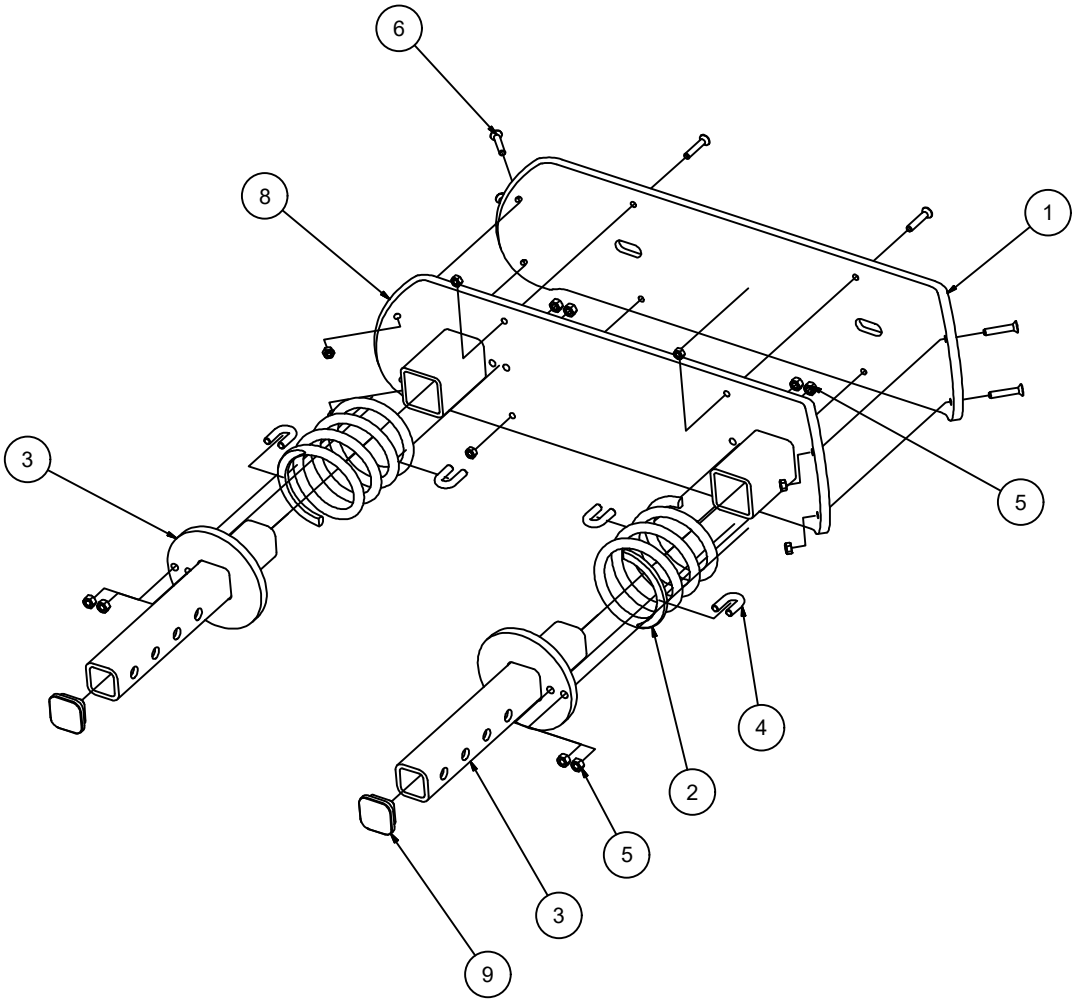
ITEM	PART NUMBER	DESCRIPTION	PAGE
1	1P2120	Cover, UHMW, Bumper Shoe, Large	
2	2P2115	Spring, Cushion Bumper	
3	1P2125	Cushion Bumper Tube Weldment	
4	1P2114	U-Bolt, 3/8-16	
7	1P2050	Cushion Bumper Shoe, Large	
9	1P2126	Cap, Cushion Bumper Tube	



Bumper Assembly for 3x3 bales see page 45

Cushion Bumper Assembly ,3x3 Bales

ITEM	PART NUMBER	DESCRIPTION	PAGE
1	1P2085	Cushion Bumper Shoe Cover, 3x3	
2	2P2115	Cushion Bumper Spring	
3	1P2125	Tube & Spring Retainer	
4	1P2114	U-Bolt, 3/8-16	
5	3R9563	Hex Nut, 3/8-16	
6	2P5145	Screw, 5/16-18 X 1.75, Countersunk Socket Head Cap	
7	4P5130	Hex Nut, 5/16-18	
8	1P2080	3 x 3 Cushion Bumper Assembly	
9	1P2126	Cap, Cushion Bumper Tube	



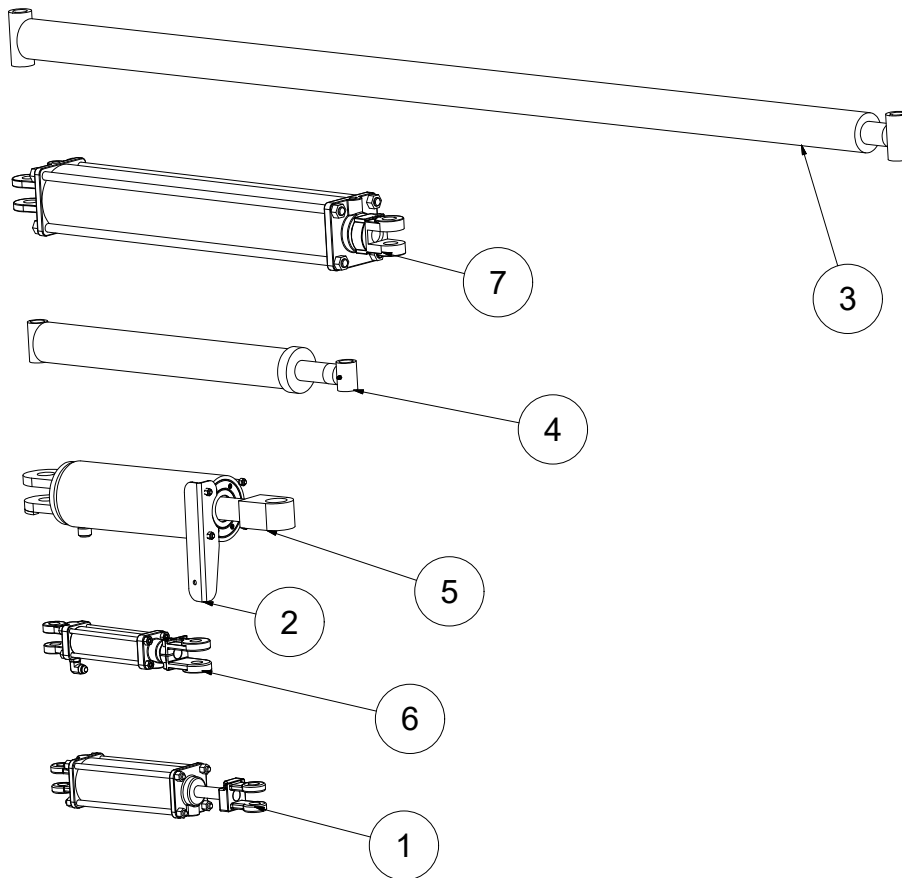
Hydraulics.

CYLINDERS ...	47
STEEL LINES,Pumps..	48
VALVE BLOCK.....	49
HYDRAULIC OIL COOLER.	19
Serial number SP2302104 and later have a thermal bypass in the hydraulic oil return manifold ...	78,79,81

SP3255

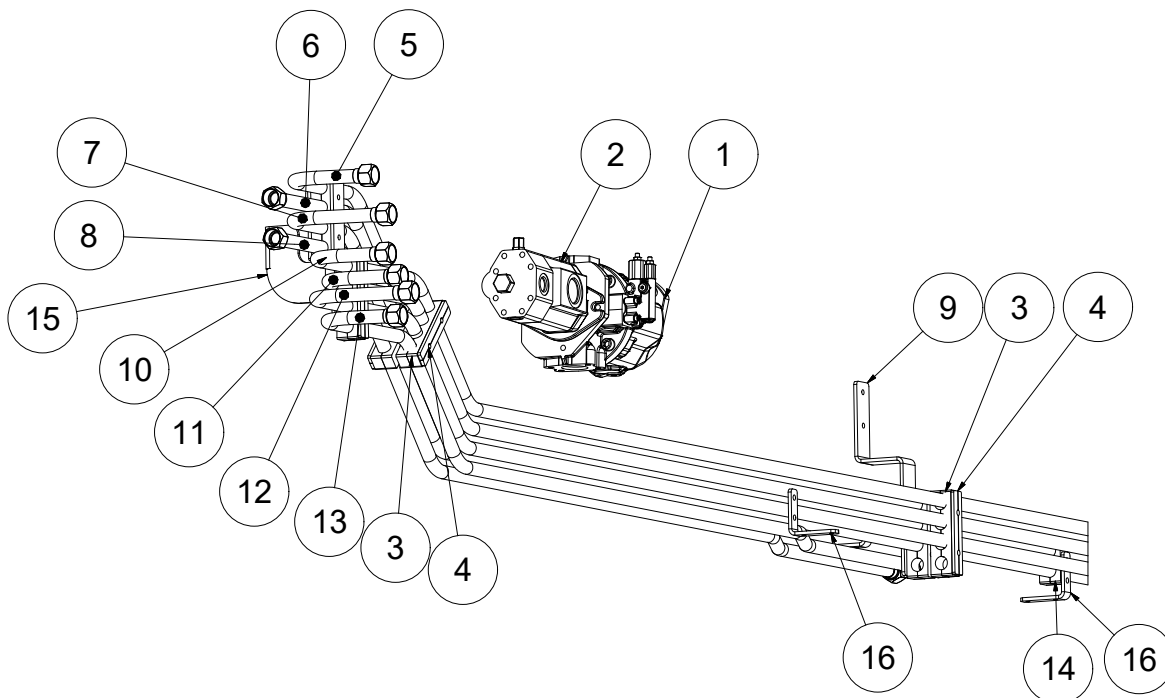
Hydraulic Cylinders			
ITEM	ITEM QTY	PART NUMBER	DESCRIPTION
1	1	2A4100	Bale Clamp Squeeze Cylinder, 3.5 x 8
2	1	3P2105	Bracket, Hose Mount Loader Cyl
3	1	4A4016	Cylinder, Rolling Rack, 3x84
4	2	4A4030	Receiving Table lift Cyl 3 x 24
5	1	4A4035W	Bale Clamp Lift Cyl 5x12 (replacement bushing 3P4205)
6	1	4A4037	Pushoff Cyl 3x6
7	2	4A4060	Stackbed Lift Cylinder 5x30

Pushoff valve asm. 5K1061



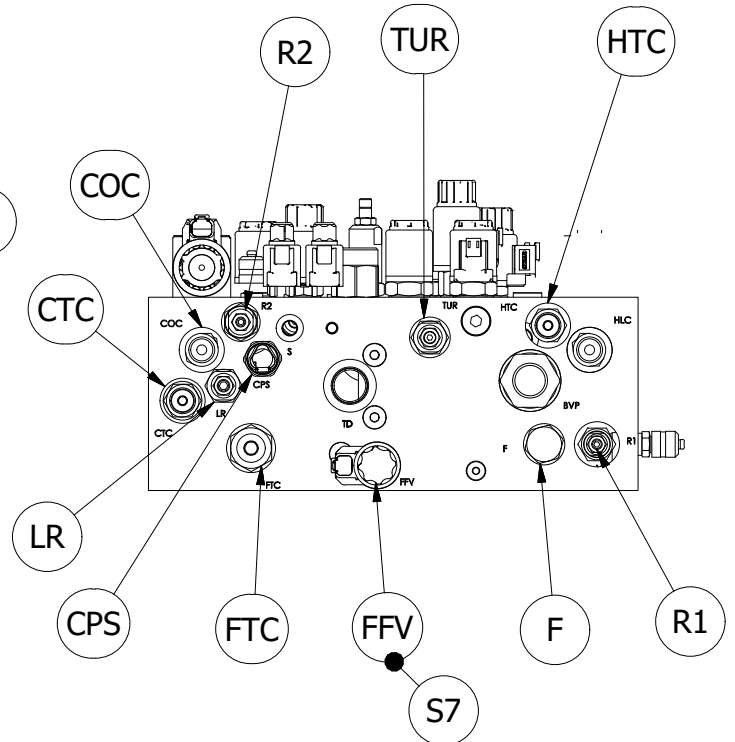
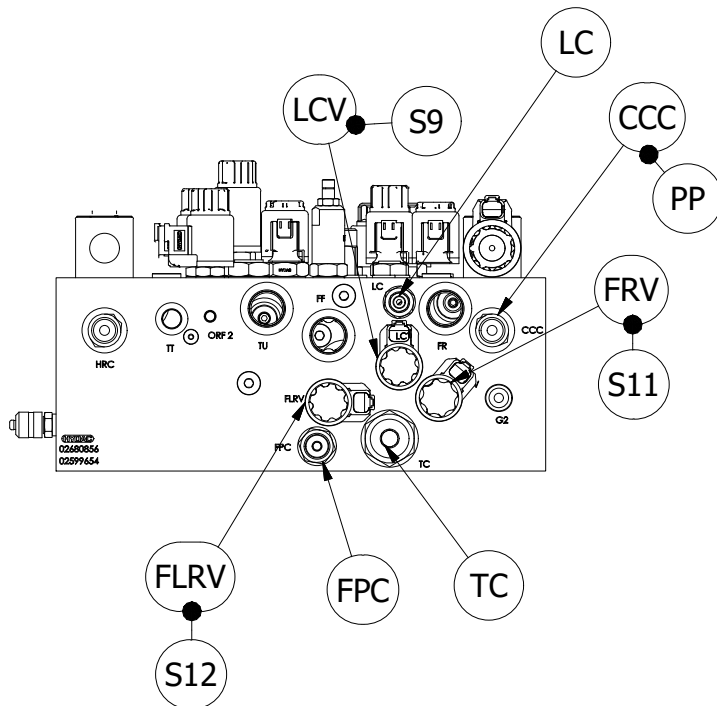
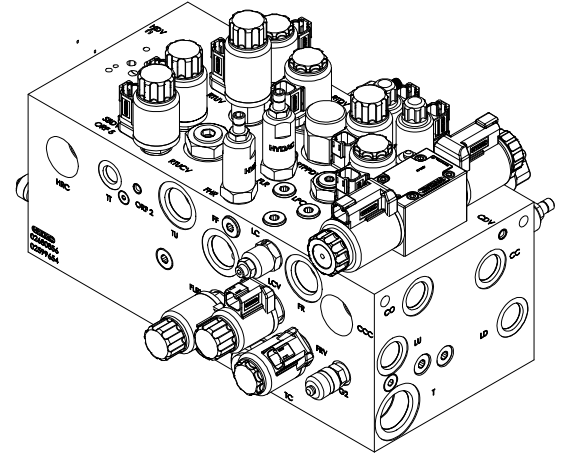
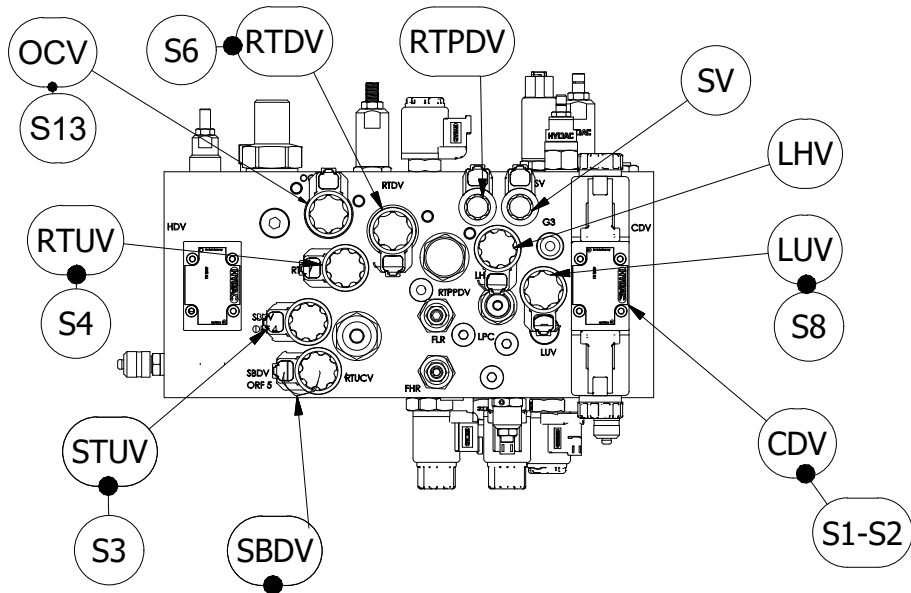
SP3255

Hydraulic pumps and steel lines		
ITEM	PART NUMBER	DESCRIPTION
1	100380	Hydraulic Piston Pump
2	500503377	Gear Pump
3	5P4310,	Clamp, 1.0 x 4 half
4	Clamp,	Top 1.0 x4, top
5	5P4301	1. ss hydraulic Bed Return
6	5P4306	1.ss hydraulic Pushoff Return
7	5P4307	1.ss hydraulic Rolling Rack Return
8	5P4308	1.ss hydraulic Table Return
9	5P0834-2	Hyd clamp mount brkt rear
10	5P4309	1.ss hydraulic Bed Pressure
11	5P4304	1.ss hydraulic Pushoff Pressure
12	5P4303	1.ss hydraulic Rolling Rack Pressure
13	5P4302	1.ss hydraulic Table Pressure
14	5P3171	Clamp, Half, 1" x2
15	100828	Mount, Front, S.S. Hyd Lines
16	100800	Hanger Brkt



Valve Block

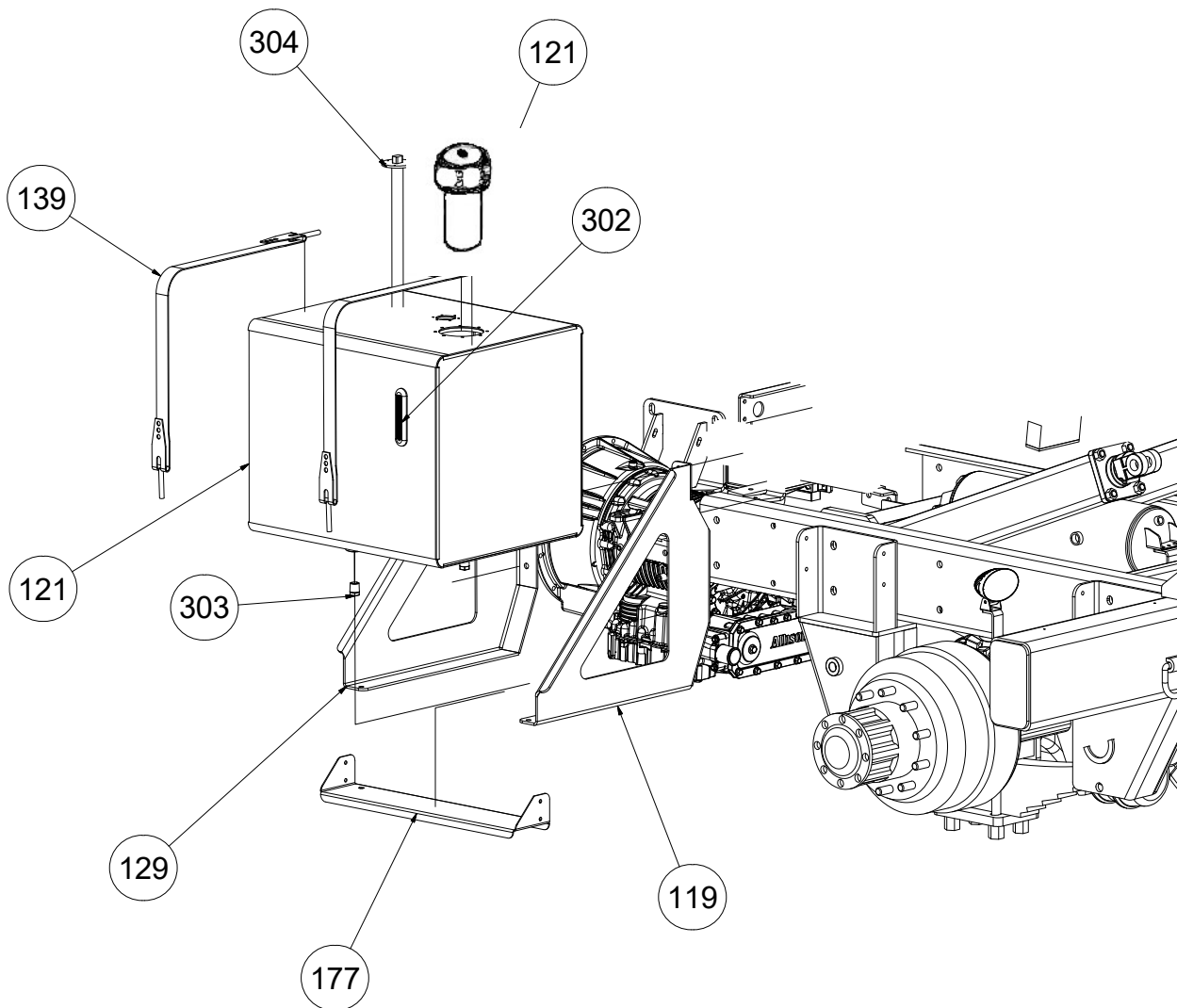
Ductile. SP3255 *Part # 5A3110*



See Index page 50

Label	Part #	Description	Mil-Stak Part #	Seal Kit Part #
TC	RV16A-01-C-N-05	System Tank Check	4P4850	
LPC	RV10A-01-C-N-05	Bale Loader Pressure Check	4P4801	4P4831
HTC	RV10A-01-C-N-05	Hitch Tank Check	4P4801	4P4831
CTC	RV10A-01-C-N-05	Bale Clamp Check	4P4801	4P4831
FPC	RV10A-01-C-N-05	Rolling Fork Pressure Check	4P4801	4P4831
LR	DB08A-01-C-N-330V	Bale Loader Relief	4P4802	4P4832
FHR	DB08A-01-C-N-330V	Rolling Fork High Pressure Relief	4P4802	4P4832
TUR	DB08A-01-C-N-330V	Receiving Table Up Relief Valve	4P4802	4P4832
R1	DB10P-01-C-N-330V300		4P4851	
FLR	DB08A-01-C-N-090V070	Rolling Fork Low Pressure Relief	4P4803	4P4832
SV	WK06C-01-C-N-0	Load Sense Valve	4P4804	4P4833
RTPDV	WK06C-01-C-N-0	Receiving Table Pressure Down Valve	4P4804	4P4833
OCV	WS12Z-01-C-N-0	Open Center Valve	4P4806	4P4835
SBUV	PDR08-01-C-N-50-0	Stack Bed Up Valve	4P4807	4P4836
SBDV	PDR08-01-C-N-50-0	Stack Bed Down Valve	4P4807	4P4836
BVP	PHP16E-01-C-N-400F	Stack Bed Valve (Piloted)	4P4852	
FTC	RV12A-01-C-N-05	Rolling Fork Tank Check	4P4811	4P4835
RTUCV	RV12A-01-C-N-05	Receiving Table Up CHeck Valve	4P4811	4P4835
FFV	WS10Z-01-C-N-0	Rolling Fork Forward Valve	4P4812	4P4831
FRV	WS10Z-01-C-N-0	Rolling Fork Reverse Valve	4P4812	4P4831
LUV	WS10Z-01-C-N-0	Bale Loader Up Valve	4P4812	4P4831
FLRV	WS10Y-01-C-N-0	Rolling Forks Low Pressure Relief Valve	4P4813	4P4831
LHV	WS10Y-01-C-N-0	Bale Loader Hold Valve	4P4813	4P4831
R2	DR10P-01-C-N-330V	Clamp And Load Pressure Reducing Valve	4P4814	4P4839
LCV	WS10YR-01-C-N-0	Bale Loader Cushion Valve	4P4815	4P4831
LC	SD08-01-C-N-V	Bale Loader Cushion Flow Restrictor	4P4853	
CPS		Pressure Switch	4P4030	
PP1			4P4854	
PP2			4P4854	
COC	RV10A-01-C-N-30	Clamp Open CHeck	4P4818	4P4831
CCC	RV10A-01-C-N-30	Clamp Close CHeck	4P4818	4P4831
HLC	RV10A-01-C-N-30	Hitch Left Check	4P4818	4P4831
HRC	RV10A-01-C-N-30	Hitch Right Check	4P4818	4P4831
F	DW10Z-01-C-N-300	Pressure Sensing Valve	4P4855	
RTDV	WSM12120W-01-C-N-0	Receiving Table Down Valve	4P4856	
RTUV	PWS10Z-11-C-N-P40-0	Receiving Table Up Valve	4P4857	
RTPPDV	PD12-S50		4P4858	
HDV	R978022924	Hitch Directional Valve		
CDV	R978022924	Clamp Directional Valve		
	GZ076-045-12VDC	Coil	4P4824	
S3,S5	12PN-2.2-40-1836	Coil	4P4825	
S4	12PN-4.1-50-1836	Coil	4P4828	
S14,S15	12DN-32-1329	Coil	4P4826	
S6-S13	12DN-40-1836	Coil	4P4827	
Pushoff valve asm.			5K1061	

ITEM	PART NUMBER	DESCRIPTION	PAGE
119	5A0821	Mount, Hyd Tank Rear Weldment	
129	5A0896	Mount, Hyd Tank Front Weldment	
177	5P1090	Hyd Tank Strap	
121	100511 /5P3186	Intank Oil Filter ASM/filter element #5P3186	
139	5A1650	Hyd Tank Strap Assembly	
302	100473	Sight-Temp Glass	
303	100474	Drain Plug/Magnet	
304	5P1511	Level Sensor	



Air System parts

Air System Components.....53

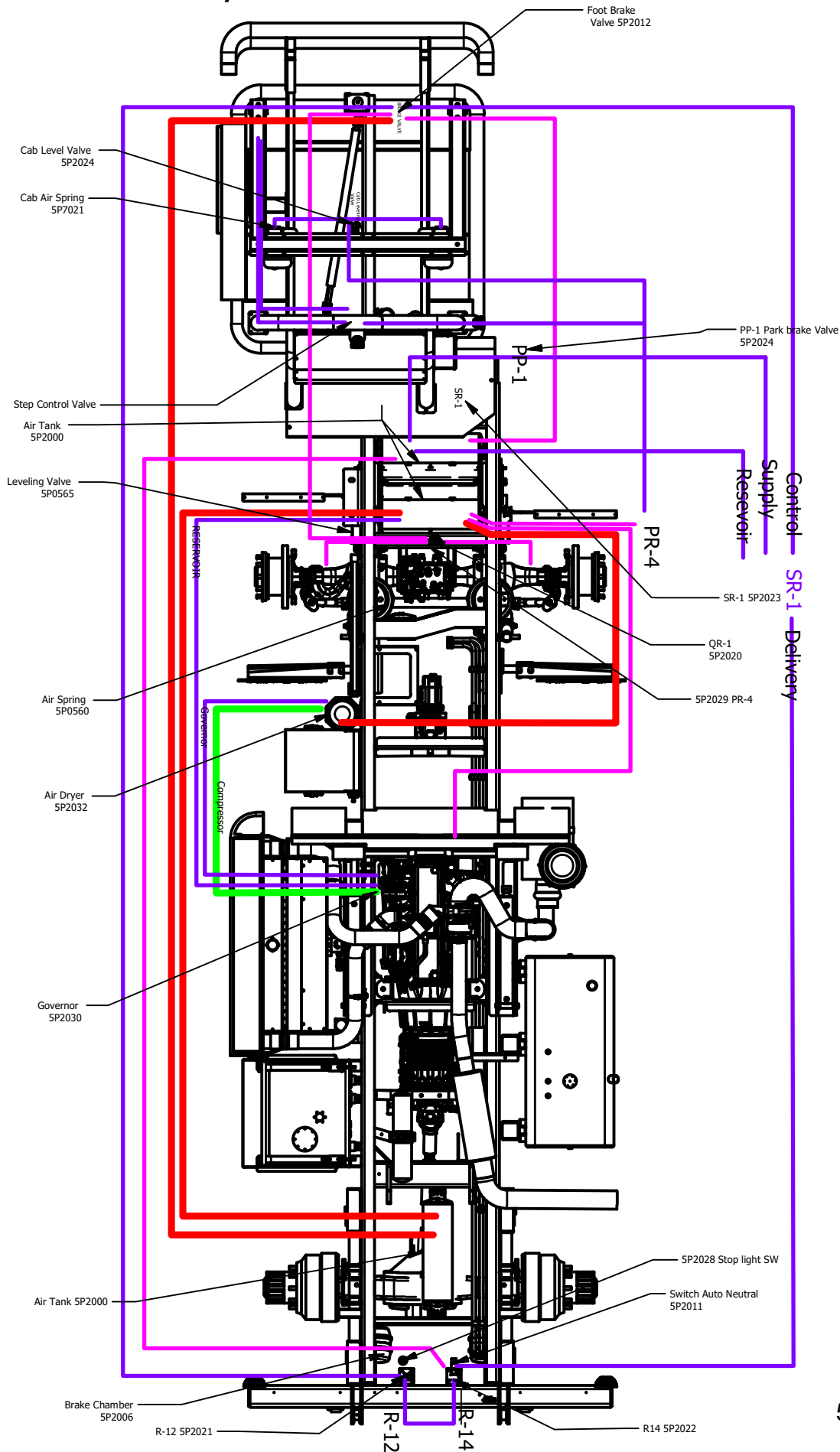
Air system schematic.....54

Air system and Air Brake Components

Part #	Mfg Part#	Description	Qty.
5P7703	ECCO 510	Back Up Alarm	1
5P2019	283029	LP-3 Low Pressure vIndicator	1
5P2015	236981	Plunger	1
5P2027	284142	ST-3 Safety Valve	1
5P2030	284358	Governor, Air Pressure	1
5P2020	288251	QR-1 Quick Release Valve	1
5P2029	286500	PR-4 Pressure Protection Valve	1
5P2018	280809	DC-4 Double Check Valve	1
5P2017	800373	Check Valve	2
5P2024	276566	PP1 Dash Control Valve	1
5P2012	286171	E-6 dual brake valve	1
5P2014	281309	Treadle Assy.	1
5P7021	CB7064	Air Spring, Cab	2
5P2006	811392	Brake Cam LH	1
5P2007	811393	Brake Cam RH	1
5P2008	K075422	Bracket, Brake Cam RH	1
5P2009	K075423	Bracket, Brake Cam LH	1
5P2032	65225	Air Dryer	1
5P4195	7470	Belt, Compressor	1
5P2016	236982	Boot	1
5P2025	248433	Knob, Air Valve 5P2026 nut	1
5P2003	DRC601-4	Tank Drain	3
5P2035	CA3000	Clevis, Brake Chamber	2
5P2011	BE13241	Low Air Switch	2
5P2028	BE13250	Stop Light Switch	2
5P2023	286364	SR-1 Spring Brake Valve	1
5P2021	103009	R-12 Relay Valve	1
5P2022	103010	R-14 Relay Valve	1
5P7024	LV2373	Leveling Valve	1
5P2039	OTR2424SB	Brake Chamber	2
6P0565	LV-227	Leveling Valve, Hendrickson	2
6P0570	6210021	Connecting Rod, Cut to Fit	2
6P0560	67793-002	Air Bg	2

Air Line system

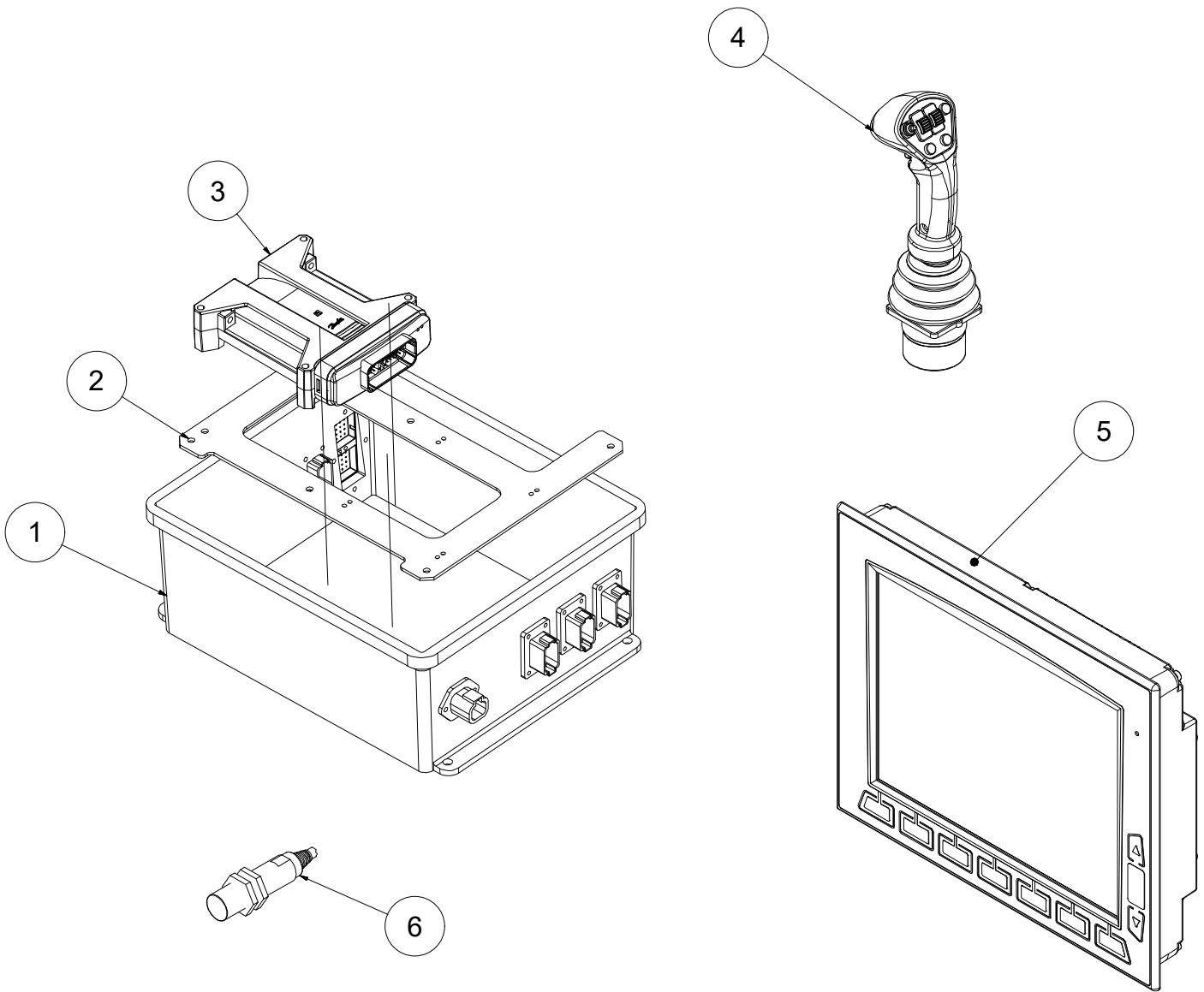
SP3255



Electrical and Controls

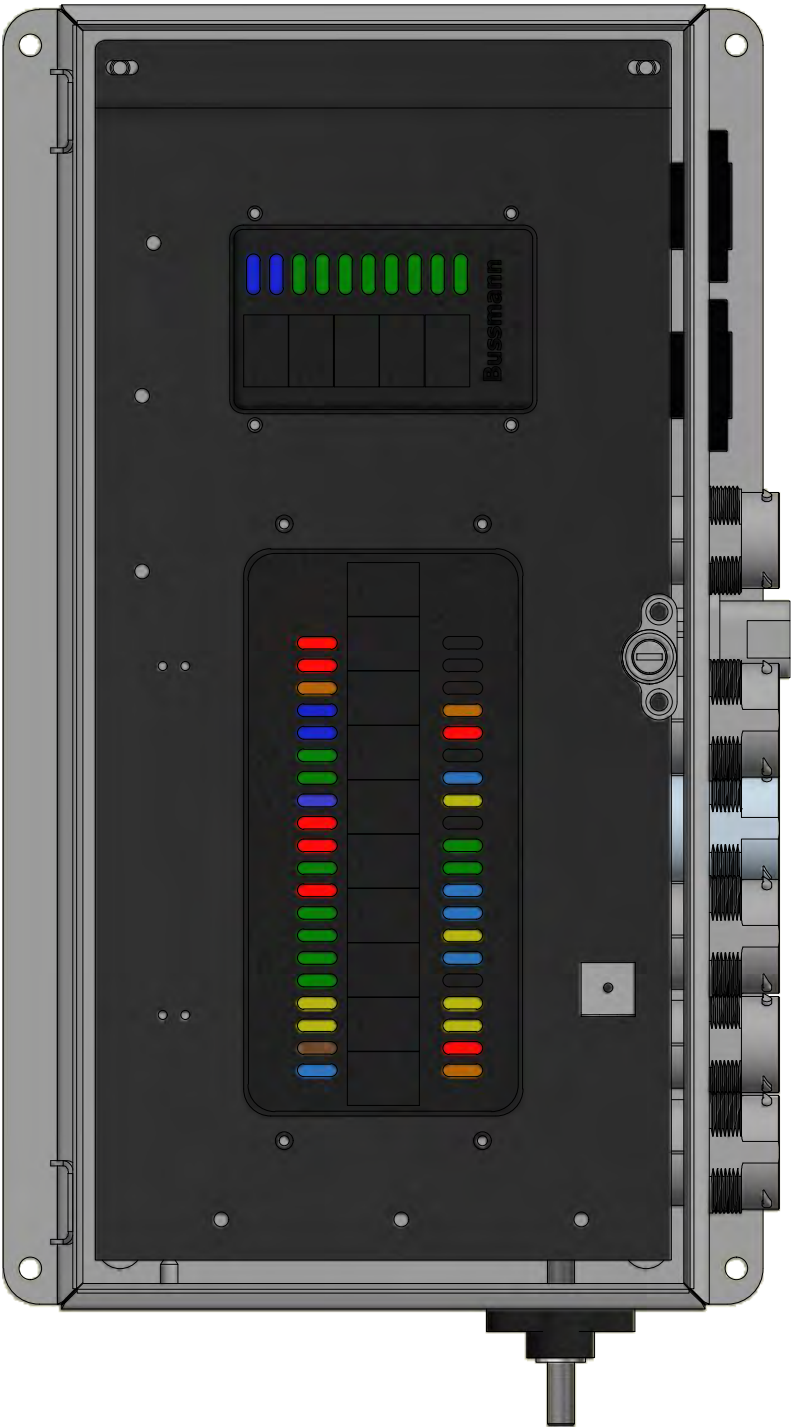
FUSES AND RELAYS.....	8
WIRING	9
Stacker controls.....	56
Lighting.....	60

Automation Controls		
ITEM	PART NUMBER	DESCRIPTION
1	5P5100	Computer Box SP
2	100997	Controller Mounting Bracket
3	MC 050-110, Danfoss	Computer Control
4	4P7600	Joystick controler
5	5P7520	Mil-Stak Display HY-eVision 10.4
6	4P7502	Proximity Sensor



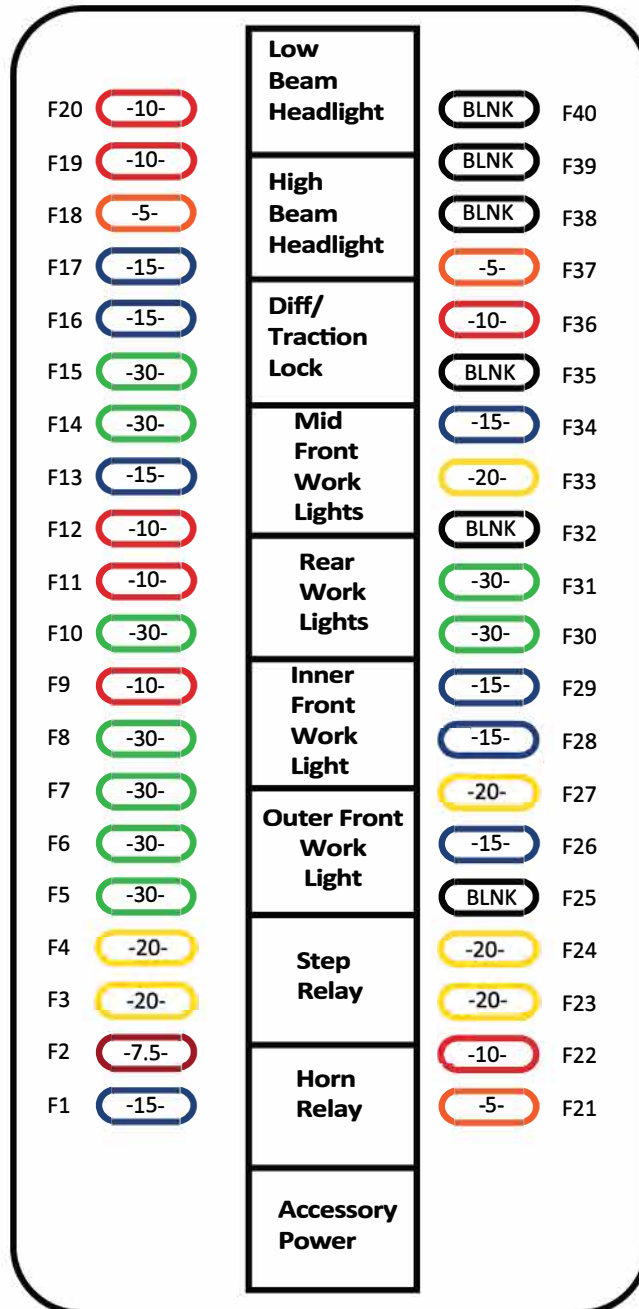
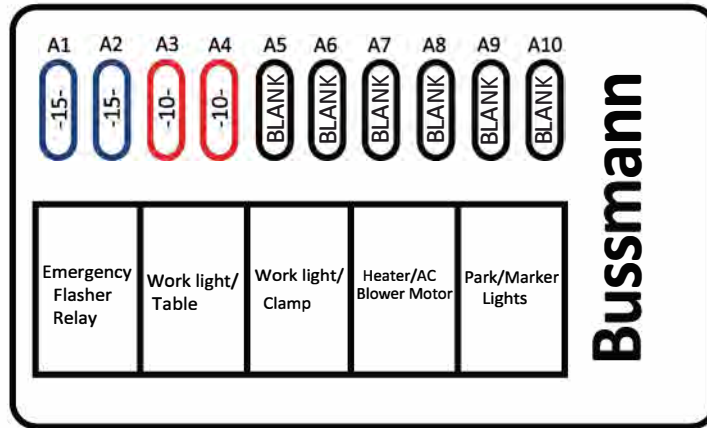
SP3255 Cab Relay and Fuse Box up to serial #SP2301103

ITEM	PART NUMBER	DESCRIPTION	PAGE
1	5A5180	Relay Box	



SP210485 and Earlier

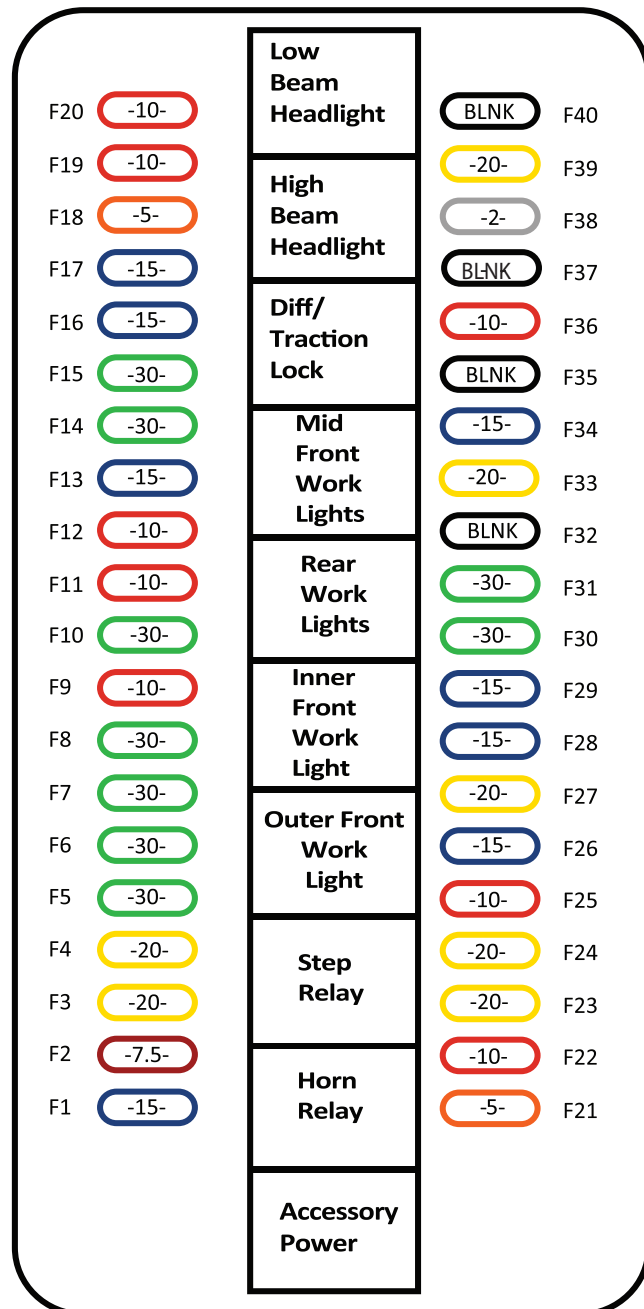
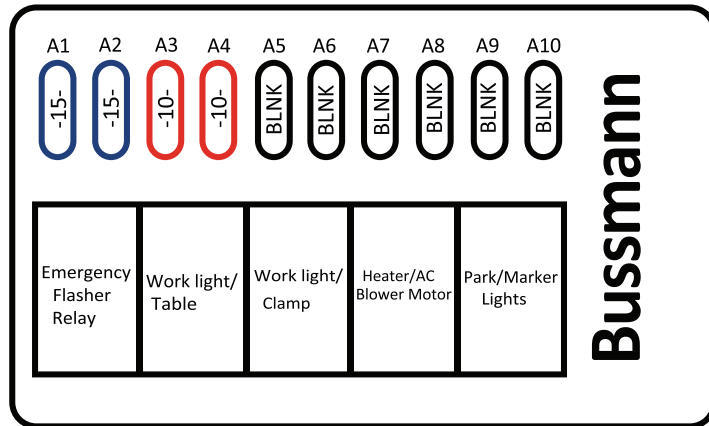
A1	Radio Accessory
A2	Radio 2 Accessory
A3	12v Power 1
A4	12v Power 2
A5	Blank
A6	Blank
A7	Blank
A8	Blank
A9	Blank
A10	Blank
F1	Seat Power
F2	Dome Light
F3	Console Aux Power
F4	Storage Aux Power
F5	12 v Power 1 Constant
F6	12 v Power 2 Constant
F7	12 v Power 3 Constant
F8	12 v Power 4 Constant
F9	Work Light/Inner Front
F10	AC Condenser
F11	Park/Marker Light
F12	Flasher/Signal
F13	Ignition Power
F14	High Beam
F15	Low Beam
F16	High Beam Flash
F17	Console/Display
F18	Brake Light
F19	Work Light/Clamp
F20	Work Light/Table
F21	Horn
F22	Step Control
F23	Heater/AC Blower
F24	Work Light/Outer Front
F25	Blank
F26	Work Light/Rear
F27	Work Light/Center Front
F28	Differential Lock
F29	Indicator Power
F30	Cabin Pressure
F31	Cab Switches
F32	Blank
F33	Wiper
F34	Console/Display
F35	Blank
F36	Operator Seat Switch
F37	Step Switch
F38	Blank
F39	Blank
F40	Blank



Part# 6P3155

SP210586 and Later serial number.

A1	Radio Accessory
A2	Radio 2 Accessory
A3	12v Power 1
A4	12v Power 2
A5	Blank
A6	Blank
A7	Blank
A8	Blank
A9	Blank
A10	Blank
F1	Seat Power
F2	Dome Light & Scale
F3	Console Aux Power
F4	Storage Aux Power
F5	12 v Power 1 Constant
F6	12 v Power 2 Constant
F7	12 v Power 3 Constant
F8	12 v Power 4 Constant
F9	Work Light/Inner Front
F10	AC Condenser
F11	Park/Marker Light
F12	Flasher/Signal
F13	Ignition Power
F14	High Beam
F15	Low Beam
F16	High Beam Flash
F17	Console/Display
F18	Brake Light
F19	Work Light/Clamp
F20	Work Light/Table
F21	Horn
F22	Step Control
F23	Heater/AC Blower
F24	Work Light/Outer Front
F25	Auto Lube
F26	Work Light/Rear
F27	Work Light/Center Front
F28	Differential Lock
F29	Indicator Power
F30	Cabin Pressure
F31	Cab Switches
F32	Blank
F33	Wiper
F34	Console/Display
F35	Blank
F36	Operator Seat Switch
F37	Blank
F38	Scale, Keyed
F39	External ACC, Keyed
F40	Blank



SP-3255 Wire Harnesses & Boxes

Mil-Stak		
Part#	Serial Number	Description
5P5170	SP210586 & earlier	Wire Harness, Right Rear Signal
5P5165	SP210586 & earlier	Wire Harness, Left Rear Signal SP
5P5161	SP210687 & later	Wire Harness, Rear Signal/Tail
5P5175	All	Wire Harness, SB Clearance Lights
5P5269	SP1800154 - SP210586	Wire Harness, Rear Work Lights & Marker
5P5279	SP210687 & later	Wire Harness, SB Pivot Subframe Work/Marker Lights
5P5215	All	Wire Harness, Work Light RT
5P5195	SP3301103 & earlier	Wire Harness, A.C. & Clamp Work Light
5P5304	SP2302104 & later	Wire Harness, A.C. & Clamp Work Light, SP2303105
5P5220	All	Wire Harness, Headlamps & Signals
5P5150	SP2000477 & earlier	Wire Harness, Stack Bed Sensors & PO
5P5278	SP2000578 & later	Wire Harness, Stack Bed Sensors & PO
5P5140	All	Wire Harness, Clamp Sensors SP
5P5145	All	Wire Harness, Receiving Table Sensors
5P5205	Circa SP1900162 & later	Wire Harness, Mirror Jumper
5P5155	SP1800861 & earlier ⁵	Wire Harness, Light Box
5P5261	SP1900162 - SP210485	Wire Harness, Light Box
5P5225	SP210586 & later	Wire Harness, Rear Lights Power
5P5274	All	Wire Harness, Rear
5P5262	SP16003 - SP2000477	Wire Harness, Transmission
5P5272	SP2000578 - SP2310112	Wire Harness, Transmission
5P5301	SP2311113 & later	Wire Harness, Transmission Gen 6
5P5263	SP1800154 - SP2000477	Wire Harness, Valve Block
5P5276	SP2000578 & later	Wire Harness, Valve Block
5P5264	SP2301103 & earlier	Wire Harness, Fuse Box to Cab
5P5110	SP15011 - SP1800861 ⁵	Wire Harness, RH Rail
5P5265	SP1900162 - SP2000881	Wire Harness, RH Rail
5P5299	SP210182 & later	Wire Harness, RH Rail
5P5290	SP1900162 - SP2000477 ⁵	Wire Harness, LH Rail
5P5292	SP2000578 - SP2200395	Wire Harness, LH Rail
5P5297	SP2200496 & later	Wire Harness, LH Rail
5P5298	SP2200496 & later	Wire Harness, DEF & Aftertreatment
5P5294	SP1900162 & later ⁵	Wire Harness, Aftertreatment
5P5288	SP1800457 - SP210485	Wire Harness, Console
5P5300	SP1800457 - SP2301103	Wire Harness, Console
5P5302	SP2302104 & later	Wire Harness, Console, Starts SP2302104
5P5284	SP1800154 & later	Electrical Cable Set, Alternator
5P5280	All	Electrical Cable Set, Battery
5P5270	All	Ground Wire Set, Frame & Engine Block
5P5190	SP2301103 & earlier	Wire Harness, Cab Ground
5P5268	SP15011 - SP1800861 ⁵	Wire Harness, Cab Power
5P5271	SP1900162 - SP2301103	Wire Harness, Cab Power
5P5303	SP2302104 & later	Wire Harness, Cab Power
5P5286	All	Electrical Cable Set, Starter
5A5203	SP15011 - SP1800861 ⁵	Fuse/Relay Box Assembly
5A5201	SP1900162 - SP2000881	Fuse/Relay Box Assembly, Cab SP/3255
5A5204	SP1900162 - SP2000881	Fuse/Relay Box Assembly
5A5208	SP2302104 & later	Fuse/Relay Panel Assembly
5A5220	SP2000477 & earlier	Computer Box ASM, SP
5A7600	SP2000578 & later	Controller ASM, SP
5A5207	SP1900162 & later ⁵	Power Distribution Box ASM
5A7610	SP1800154 - SP210485	Light Connection Box Assembly

3/14/2024

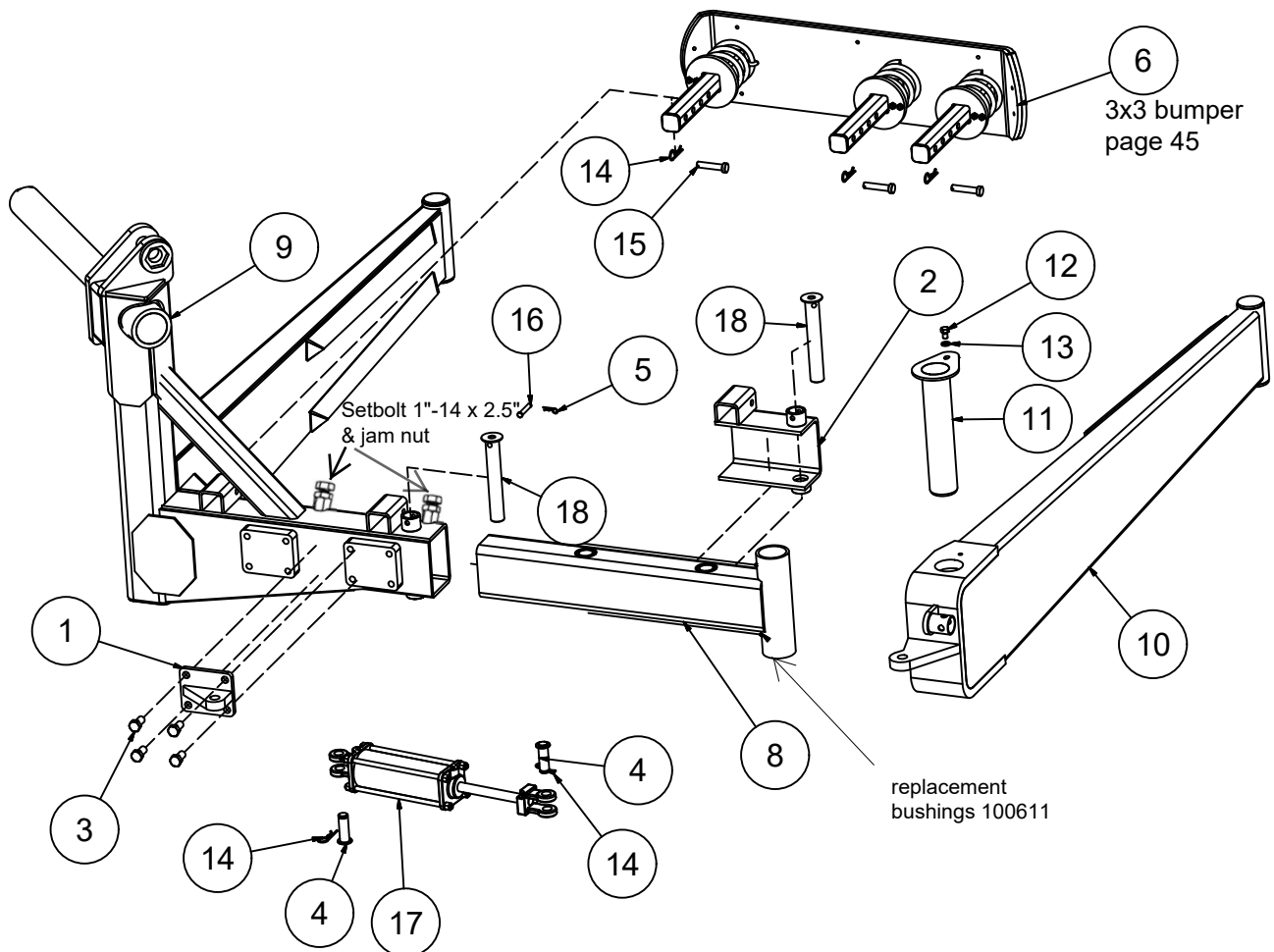
⁵ Also includes s/n SP1800161S5

SP3255 Lighting

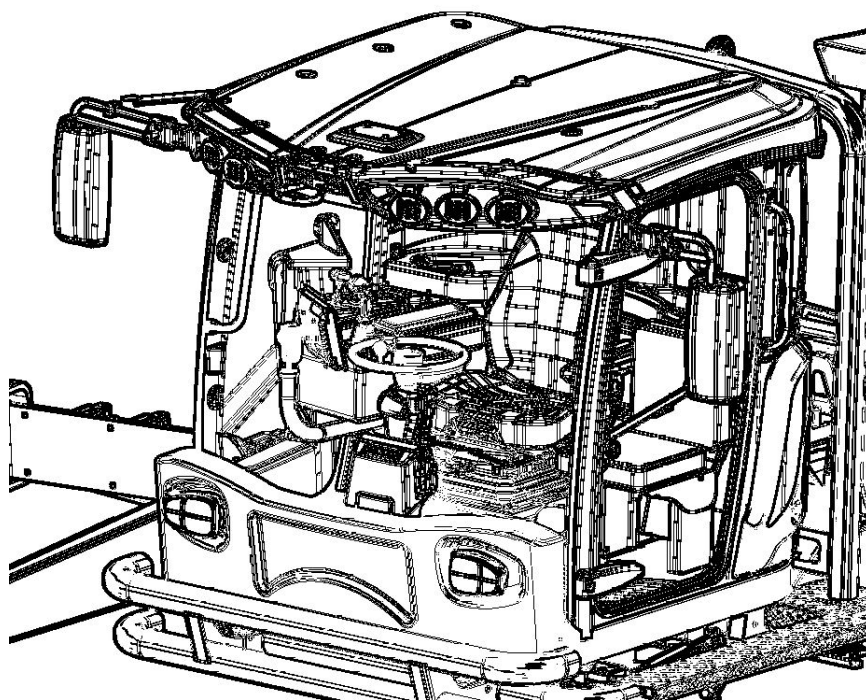
Description	Location	Part Number
Cab Head lights with signals	Left	5P6818
	Right	5P6819
Cab Front Work Lights	Front	5P6815
Cab Rear Work lights	Cab Guard	5P6816
Rear Bumper Work lights	Rear Bumper	5P6817
Rear Brake /Signal lights (Red)	Rear Stackbed	4P7560
Side Marker ,Red	Stackbed and rear Bumper	4P7583
Side marker ,Amber	Stackbed	4P7584

Optional Adjustable Clamp for 3x3 or 3x4 Bales

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	1P0620	Mount, Clamping Cylinder Rear
2	1	1P2200	Bumper Adapter "C" Bracket
3	4	4P5385	Bolt, 3/4-10 x 1.5
4	2	2P5100	1" diameter Clevis Pin
5	1	4P5390	Hairpin Cotter Pin
6	1	1A2010	3 x 4 Cushion Bumper Assembly (see page 6)
7	2	4P5165	Grease Zerk, 1/4-28, Straight
8	1	1P0650	Clamping Arm Extension Tube
9	1	3P0751	Left Arm, PT/1032
10	1	1P1010	Right Arm Weldment
11	1	1P1510	Pivot Pin, Right Arm
12	1	4P5135	Bolt, 1/2-13 x .75
13	1	4P5100	Washer, 1/2, Spring Lock
14	5	4P5170	Hairpin, Size 9
15	3	2P6116	Adjusting Pin, Bale Cushion
16	1	4P5175	Clevis Pin, 7/16 x 2.5
17	1	2A4100	Hydraulic Cylinder, 3.5 x 8
18	2	1P1550	Pin, Extension Tube Position

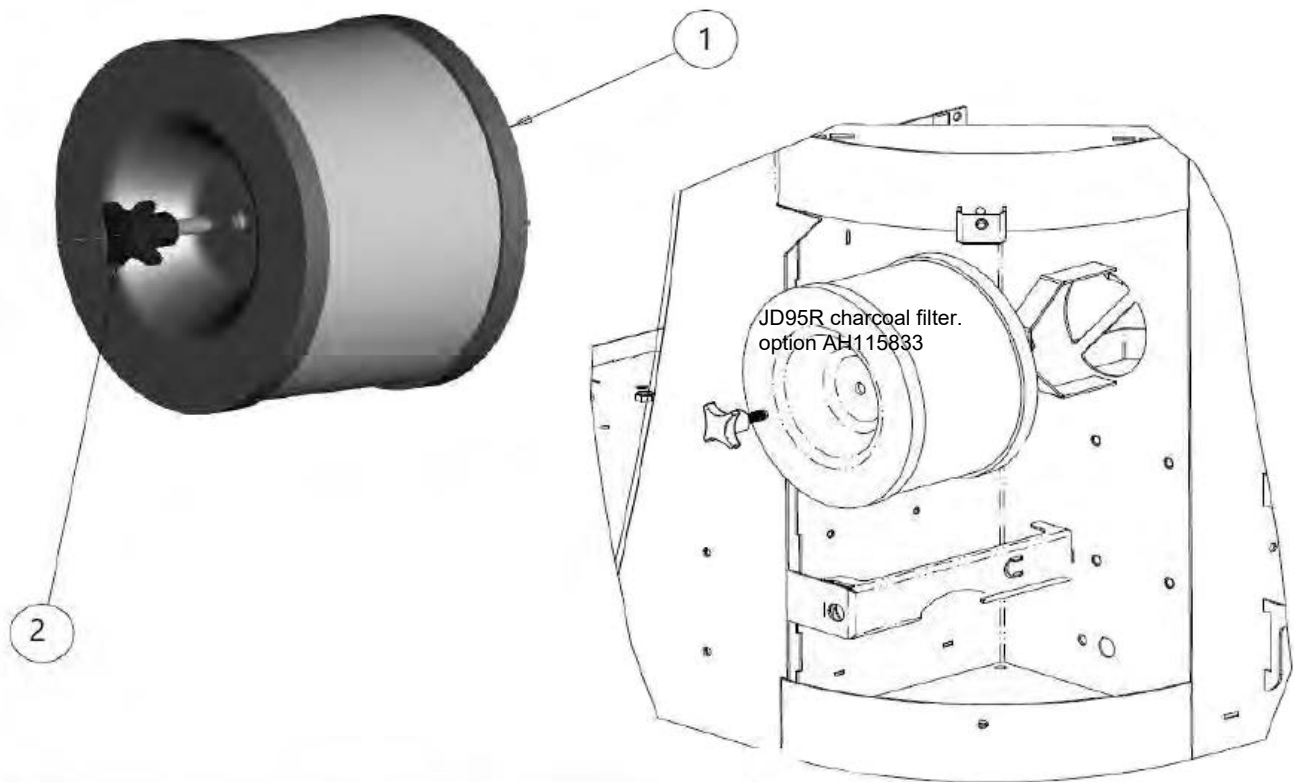


Cab and Interior parts

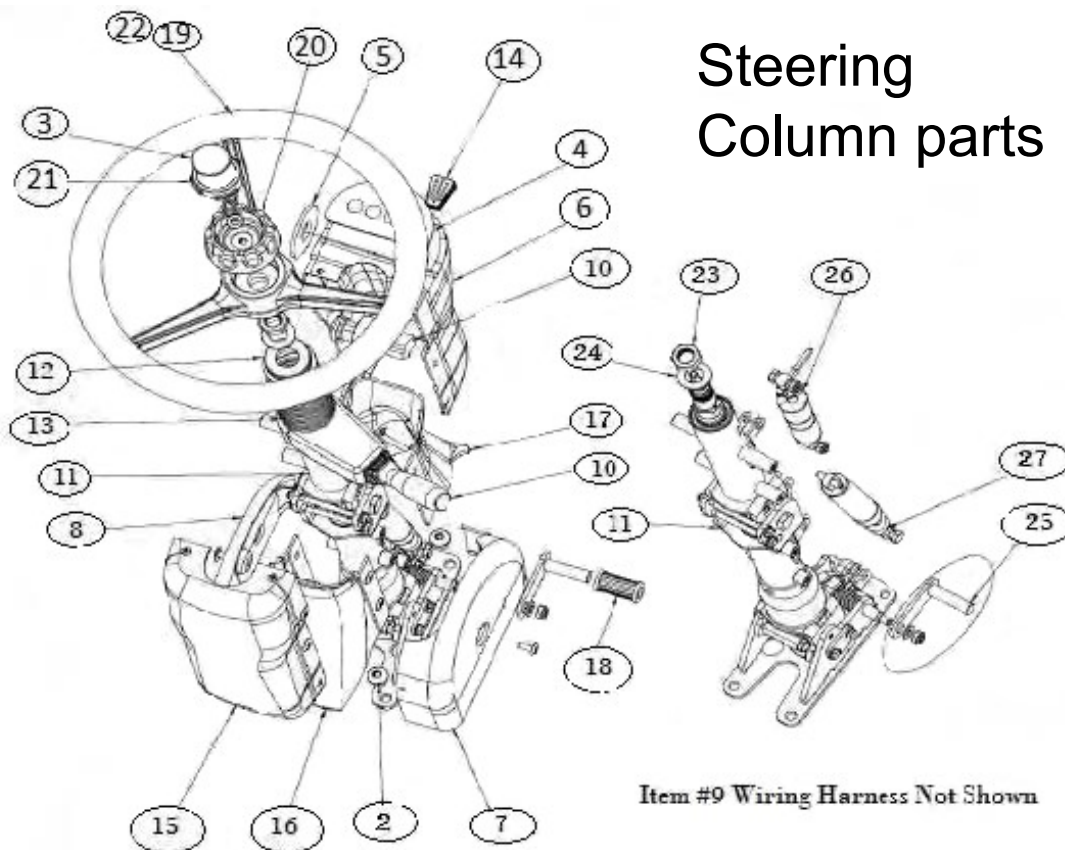


Cabin Air Filter	Page 63
Steering Column.....	Page 64
Overhead control switches.....	Page 65,66
Trainer Seat Assembly.....	Page 67
Interior Molded Trim	Page 68
Glass	Page 69,70,71,73
HVAC	Page 74
Winshield Wiper Assembly.....	Page 75
Mirror Assemblies.....	Page 76
Fascia Assembly.....	Page 77
Fuse Panel serial number SP23001 and earlier.....	Page 58
Fuse Panel serial number SP23002 and later	Electrical page 7

Cabin Air Filter

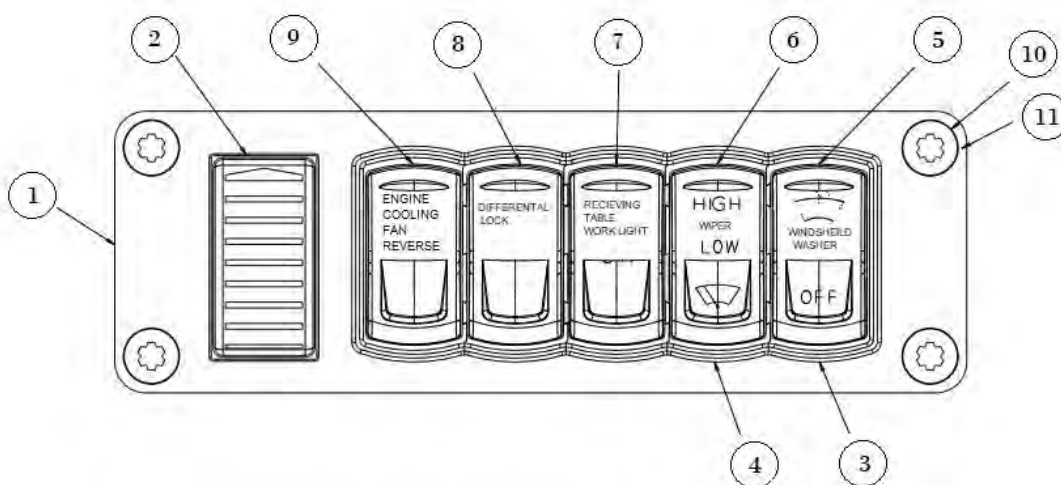
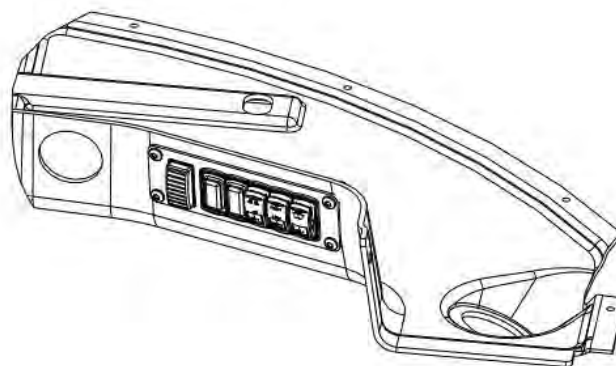


CARBON FILTER			
ITEM #	SERVICE PART #	QTY	DESCRIPTION
1	170387	1	INLET AIR FILTER
2	169029	1	KNOB M12

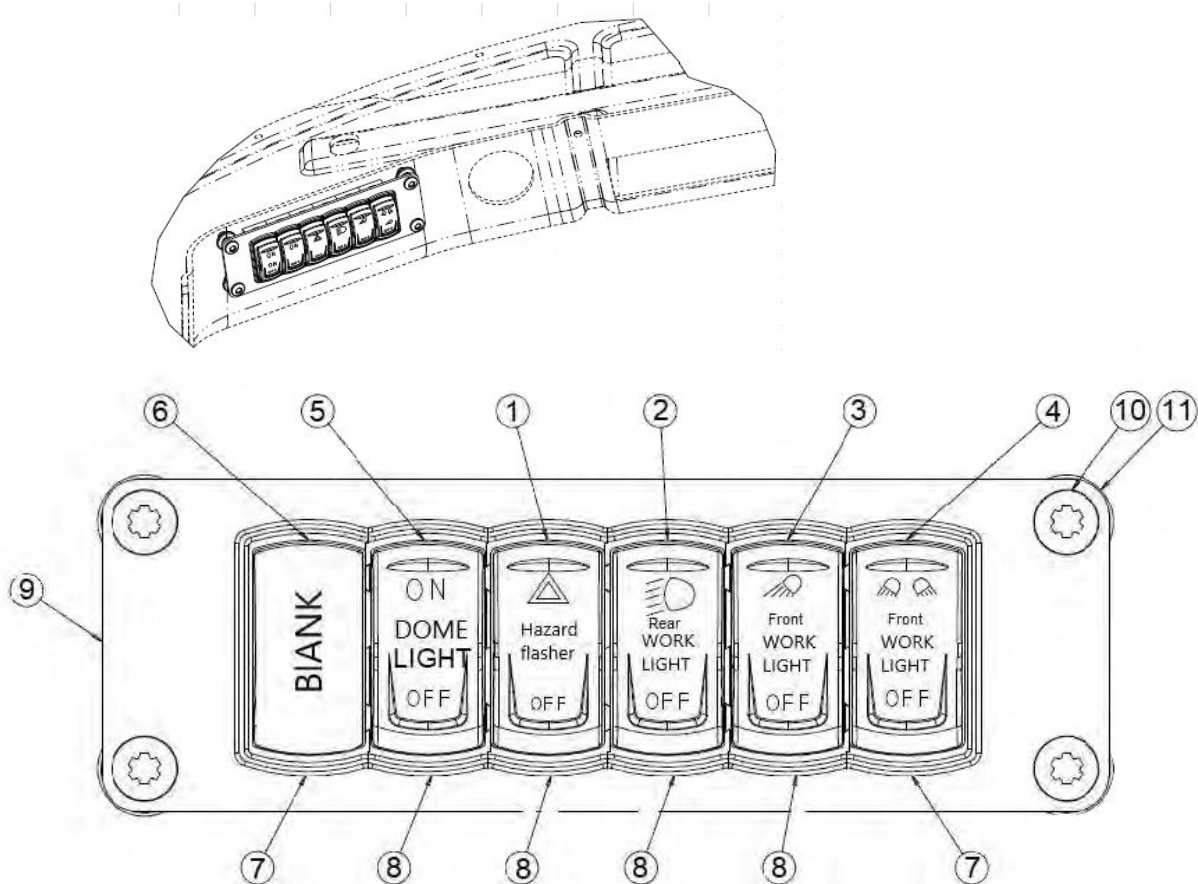


STEERING COLUMN		
ITEM	SERVICE PART #	DESCRIPTION
1	169023	IGNITION SWITCH
2	170376	SCREW TRUSS HD M10
4	172228	INDICATOR PANEL
5	172229	IGNITION SWITCH PANEL
6	172230	REAR UPPER COVER
7	172231	LEFT PROTECTION
8	172232	RIGHT PROTECTION
9	172233	WIRE HARNESS
10	172234	COLUMN SWITCH
11	172235	STEERING COLUMN
12	172236	RING RUBBER BELLOWS
13	172237	RUBBER BELLOWS
14	172238	KNOB
15	172239	FRONT UPPER COVER
16	172240	FRONT LOWER COVER
17	172241	REAR LOWER COVER
18	172242	PEDAL COVER
19	172243	STEERING WHEEL
20	172244	KNOB FOR TELESCOPIC ADJ
21	172245	STEERING WHEEL CAP
22	172267	STEERING WHEEL - DLX
23	172268	NUT M18x1.5 DIN 936
24	172269	WASHER M18 DIN 125A
25	172270	FOOT CONTROL LEVER
26	172271	SPRING GAS UP SPARE PARTS
27	172272	SPRING GAS LO SPARE PARTS
28	180192	STEERING COLUMN ASSY

Cab Interior Overhead Control Switches

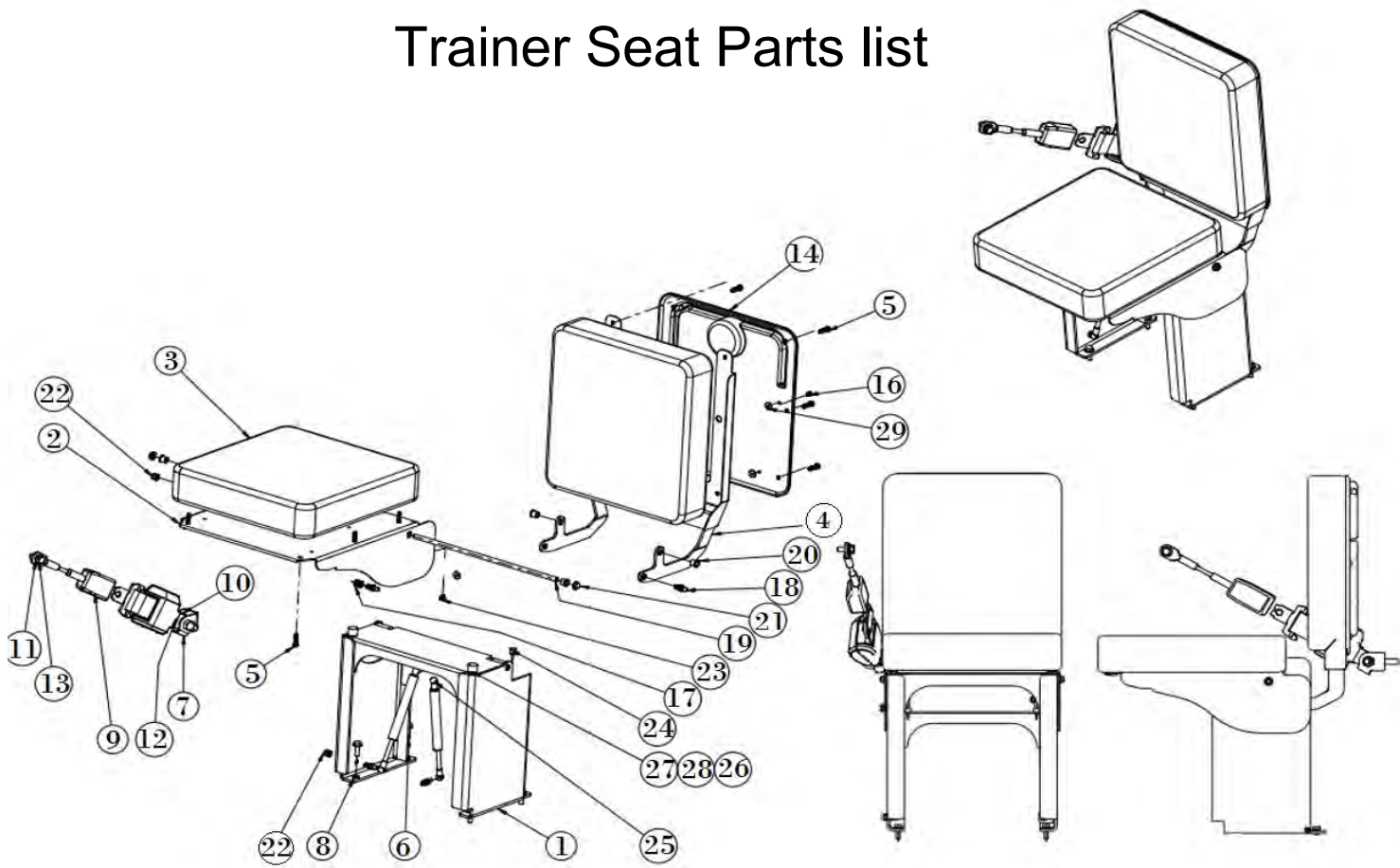


RH SWITCH GROUP			
ITEM #	SERVICE PART #	QTY	DESCRIPTION
1	173285	1	BEZEL - MIC
2	173287	1	BLUETOOTH MIC
3	170302	2	BEZEL - END SWITCH
4	170303	3	BEZEL - MIDDLE SWITCH
5	170307	1	SWITCH - WASHER FLUID MOTOR
6	170306	1	SWITCH - WIPER MOTOR
7	170301	1	SWITCH - DOME LIGHT
8	169099	1	SWITCH - WORK LIGHT
9	170437	1	SWITCH - AUX LIGHT
10	169030	4	SCREW M6
11	170436	4	INSERT



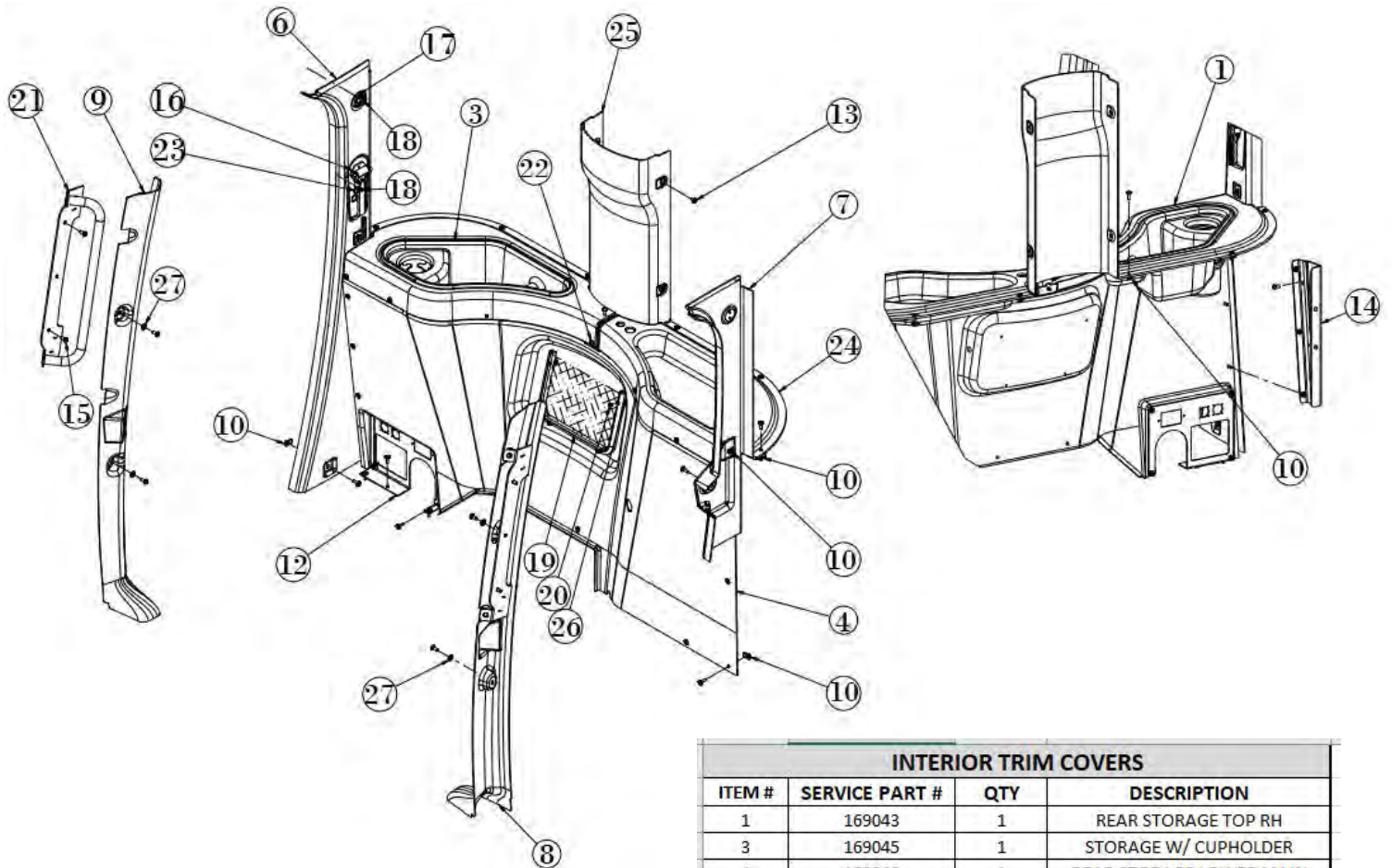
LEFT SWITCH GROUP II			
ITEM #	SERVICE PART #	QTY	DESCRIPTION
1	169096	1	SWITCH - HAZARD
2	169097	1	SWITCH - REAR LIGHT
3	169098	1	SWITCH - FIELD LIGHT
4	169099	1	SWITCH - WORK LIGHT
5	170300	1	SWITCH - DOME LIGHT
6	170301	1	BLANK
7	170302	2	SWITCH - BEZEL END
8	170303	4	SWITCH - BEZEL MIDDLE
9	169067	1	SWITCH - BEZEL PLATE
10	169030	4	SCREW M6
11	170436	4	INSERT

Trainer Seat Parts list

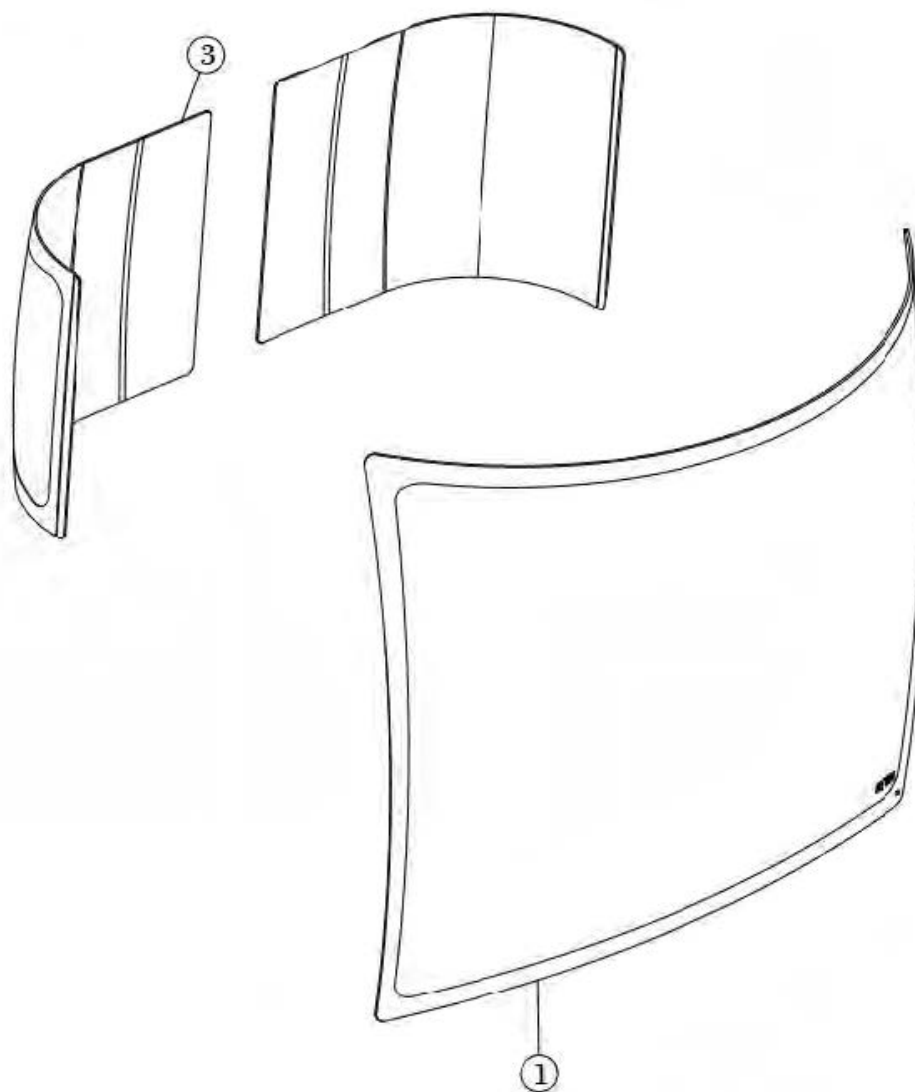


TRAINER SEAT			
ITEM #	SERVICE PART #	QTY	DESCRIPTION
1	170460	1	BASE
2	170461	1	SEAT BOTTOM
3	170423	2	CUSHION
4	170462	1	SEAT BACK
5	186343	12	SCREW
6	170428	4	SCREW M8
7	170465	1	SEATBELT BRACKET
8	170464	4	WASHER M8
9	170385	1	SEATBELT
10	170466	2	WASHER M12
11	170467	1	WASHER M10
12	173222	2	BOLT M12
13	170468	1	BOLT
14	173232	1	TRAINER SEAT BACK
15	171907	1	STORAGE NET
16	171998	4	RIVET
17	170469	2	WASHER
18	170470	4	BALL STUD - 5/16
19	170471	1	PIVOT SHAFT
20	170472	4	BUSHING
21	170473	2	CAP NUT
22	170474	2	ACORN NUT
23	170475	2	RUBBER BUMPER
24	170476	2	RUBBER BUMPER
25	170424	2	GAS STRUT
26	171905	2	BUMPER NEOPRENE
27	169078	2	WASHER
28	170371	2	NUT M6
29	173221	4	WASHER SOFT

Cab Interior Trim

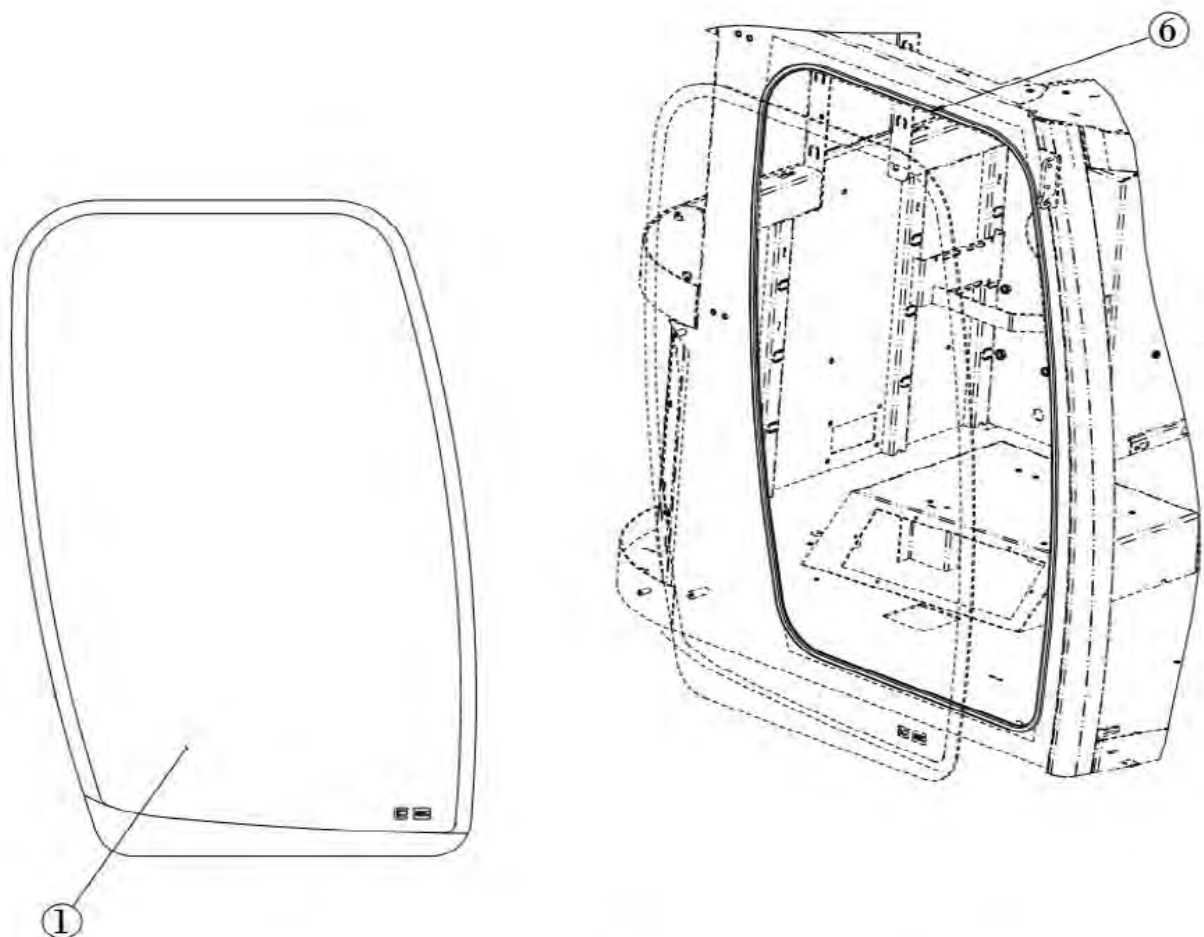


INTERIOR TRIM COVERS			
ITEM #	SERVICE PART #	QTY	DESCRIPTION
1	169043	1	REAR STORAGE TOP RH
3	169045	1	STORAGE W/ CUPHOLDER
4	169046	1	REAR STORAGE LOWER MAIN
6	169049	1	RH B-POST COVER
7	169050	1	LH B-POST COVER
8	169051	1	A-POST COVER LH
9	169052	1	A-POST COVER RH
10	169058	21	PALNUT
11	169030	32	SCREW M6
12	169068	1	BULKHEAD BRACKET
13	170345	4	SCREW M6
14	170439	1	PANEL SUPPORT
15	170438	11	SCREW M8
16	169059	1	EMERGENCY HAMMER
17	169060	2	COAT HOOK
18	169061	7	SCREW
19	171907	1	STORAGE W/ CUPHOLDER
20	171998	4	RIVET
21	169062	2	MOUNT BAR
22	170361	2	SCREW
23	173250	1	SPLIT RING
24	172062	1	COVER - LH RR
25	169048	1	COVER - C-POST
26	173221	4	WASHER SOFT
27	173543	4	WASHER M8



CAB GLASS			
ITEM #	SERVICE PART #	QTY	DESCRIPTION
1	170402	1	FRONT GLASS
3	170404	2	REAR GLASS

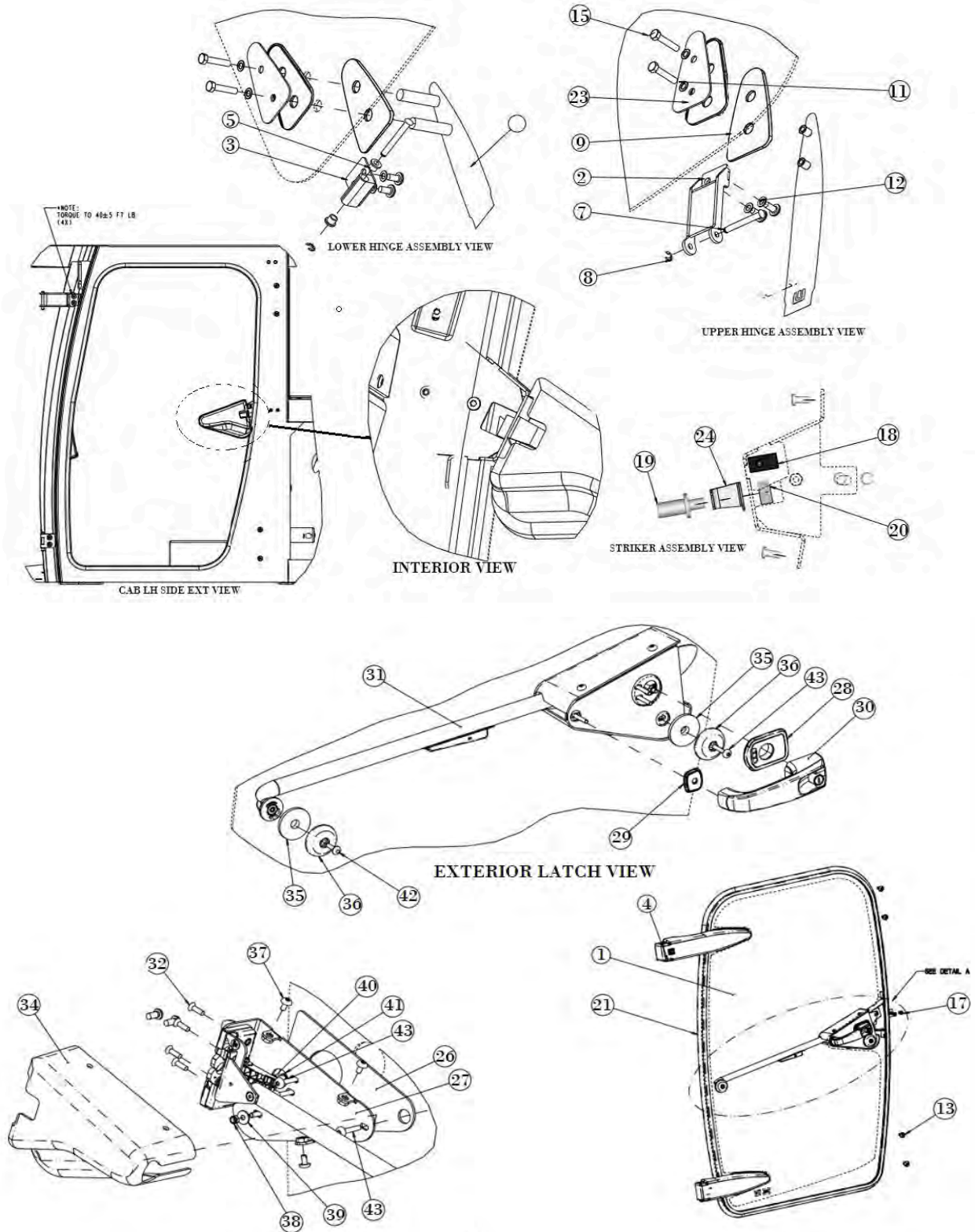
Right Side Glass and Seal



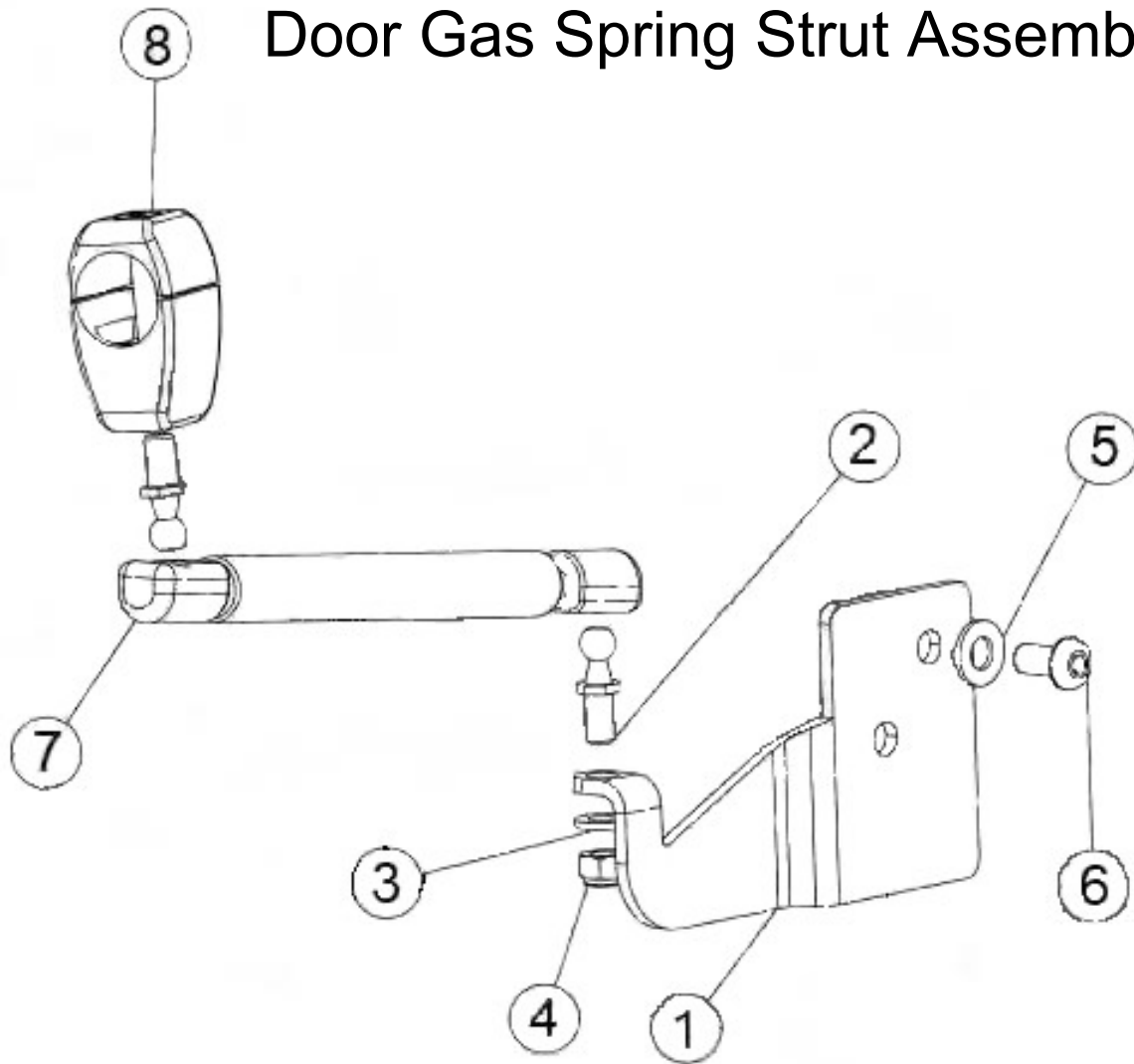
RH GLASS			
ITEM #	SERVICE PART #	QTY	DESCRIPTION
1	170403	1	RH GLASS
6	170394	REF	GASKET

Left Hand Door

see list on page 73



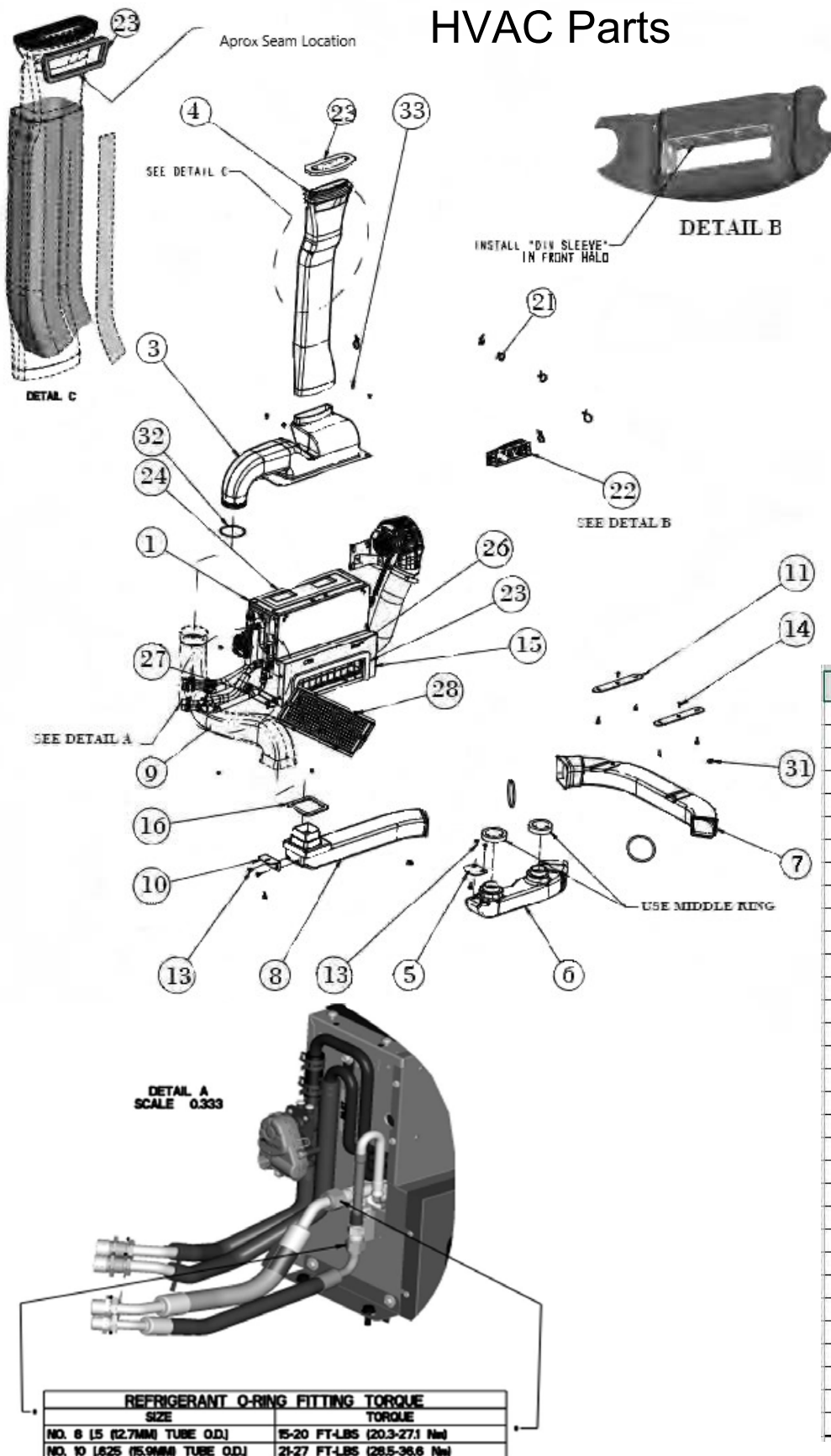
Door Gas Spring Strut Assembly



ITEM#	PART#	PRO/E#	QTY	DESCRIPTION
1	186297	186297	1	PAINT - BRACKET STRUT LH
2	163911	163911	2	BALL STUD
3	117668	117668	1	FLAT WASHER-M8
4	120478	120478	1	NUT, HEX ESN M8-1.25
5	120842	120842	1	WASHER, BLACK M8
6	139995	139995	1	SCREW M8x16 BH
7	129814	129814	1	GAS SPRING
8	173581	173581	1	STRUTT CLAMP

LEFT HAND DOOR			
ITEM #	SERVICE PART #	QTY	DESCRIPTION
1	176562	1	GLASS - LH DOOR
2	170373	1	TOP HINGE
3	170734	1	HINGE
4	170353	1	HINGE - UPPER DOOR
5	170430	2	BUSHING HINGE PIN
6	170353	1	HINGE COVER - BOTTOM
7	170354	2	HINGE PIN
8	170355	2	CLIP RETAINING
9	170356	2	GASKET - HINGE TO GLASS
11	170357	2	HINGE SUPPORT
12	170375	8	WASHER M10
13	170376	8	SCREW
15	169005	4	BOLT M10
16	170432	1	DOOR STRIKER
17	170438	7	SCREW M8
18	170433	1	DOOR SWITCH
19	170446	1	STRIKER-DOOR
20	173234	1	TAPPED BLOCK
21	170381	REF	SEAL DOOR
22	170379	REF	SEAL DOOR/WINDOW
23	186366	2	GASKET
24	151768	1	GUARD STRIKER
26	176568	1	GASKET LATCH BRACKET
27	176561	1	BRACKET
28	176564	1	GASKET HANDLE MTG
29	176565	1	GASKET HANDLE
30	176563	1	HANDLE ASSY-PUSHBUTTON
31	170358	1	HANDLE ASSY INTERIOR
32	169093	4	SCREW
34	170366	1	COVER LATCH
35	170383	2	WASHER REAR HINGE
36	170384	2	WASHER HINGE
37	170345	3	SCREW M6
38	176567	1	NUT M6
39	169078	1	WASHER
40	176566	1	SCREW M6
41	170371	1	NUT M6
42	170361	1	SCREW
43	173203	4	SCREW M6

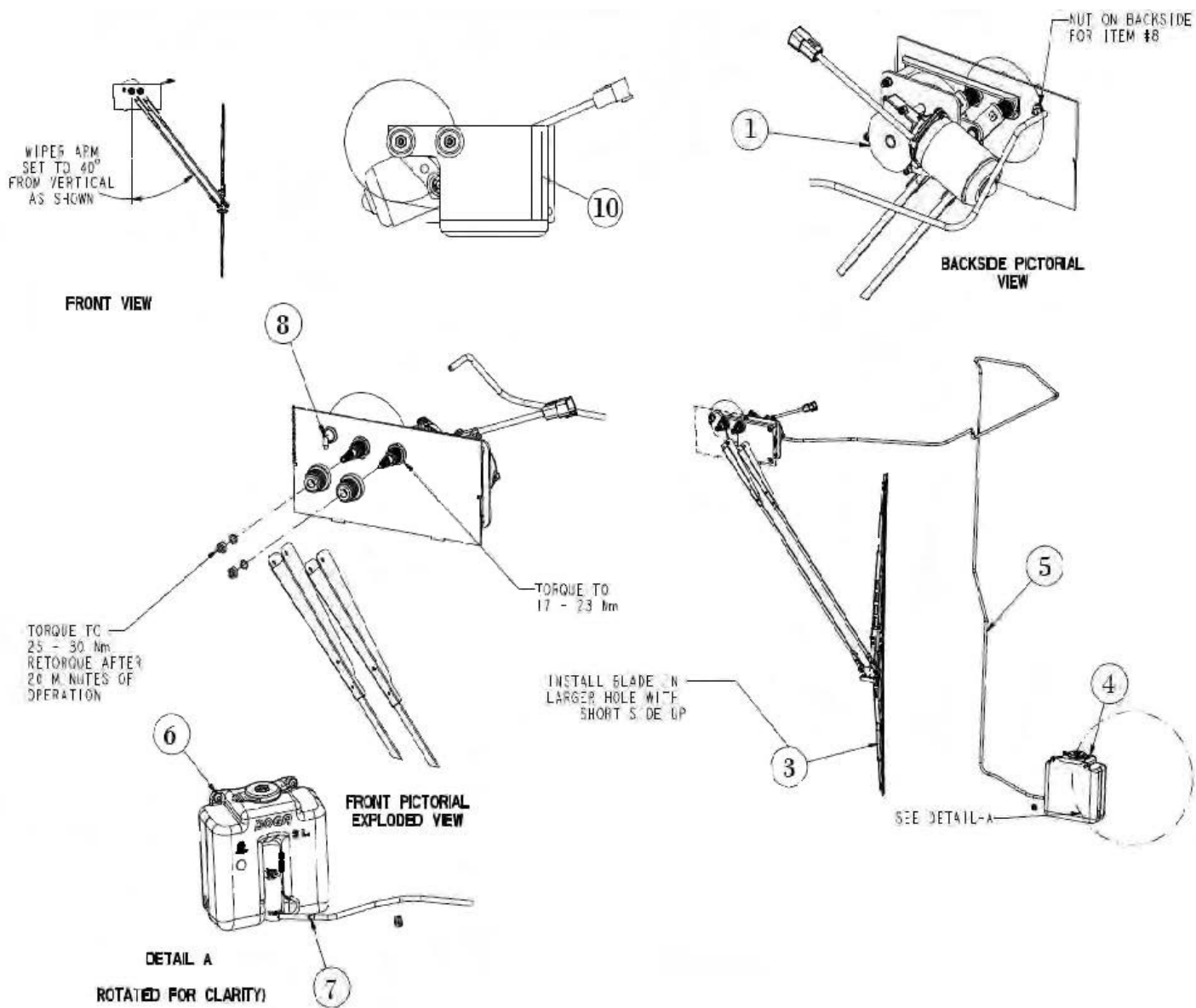
HVAC Parts



HVAC DLX			
ITEM #	SERVICE PART #	QTY	DESCRIPTION
1	179631	1	HVAC ASSY MANUAL
3	169082	1	HVAC PLENUM
4	176569	1	VERTICAL DUCT
5	169084	1	DUCT BRACKET
6	171901	1	DUCT - FRONT
7	171902	1	DUCT - LOWER MIDDLE
8	171903	1	DUCT - LOWER REAR
9	169088	1	DUCT - INNER
10	169089	1	RR DUCT PLATE
11	169090	2	DUCT BRACKET
12	169091	1	O-RING
13	169063	4	SCREW M6
14	170433	2	SCREW M6
15	169094	1	COVER GUARD
16	172220	1	GASKET LOWER DUCT REAR
17	173225	1	HARNES HVAC
18	170315	1	NUT HEX
19	170316	1	WASHER
21	173204	12	WIRE TIE
22	170334	1	DIN SLEEVE
23	172221	REF	SEAL FOAM
24	172216	REF	GASKET
26	169058	2	PALNUT
27	170440	4	BOLT M8
28	172211	6	SCREW M5
29	172219	4	NUT M8
30	170397	4	SCREW TAPPING
31	170427	2	3/4" PLUG
32	172222	1	O-RING
33	170345	4	SCREW M6
34	169030	6	SCREW M6

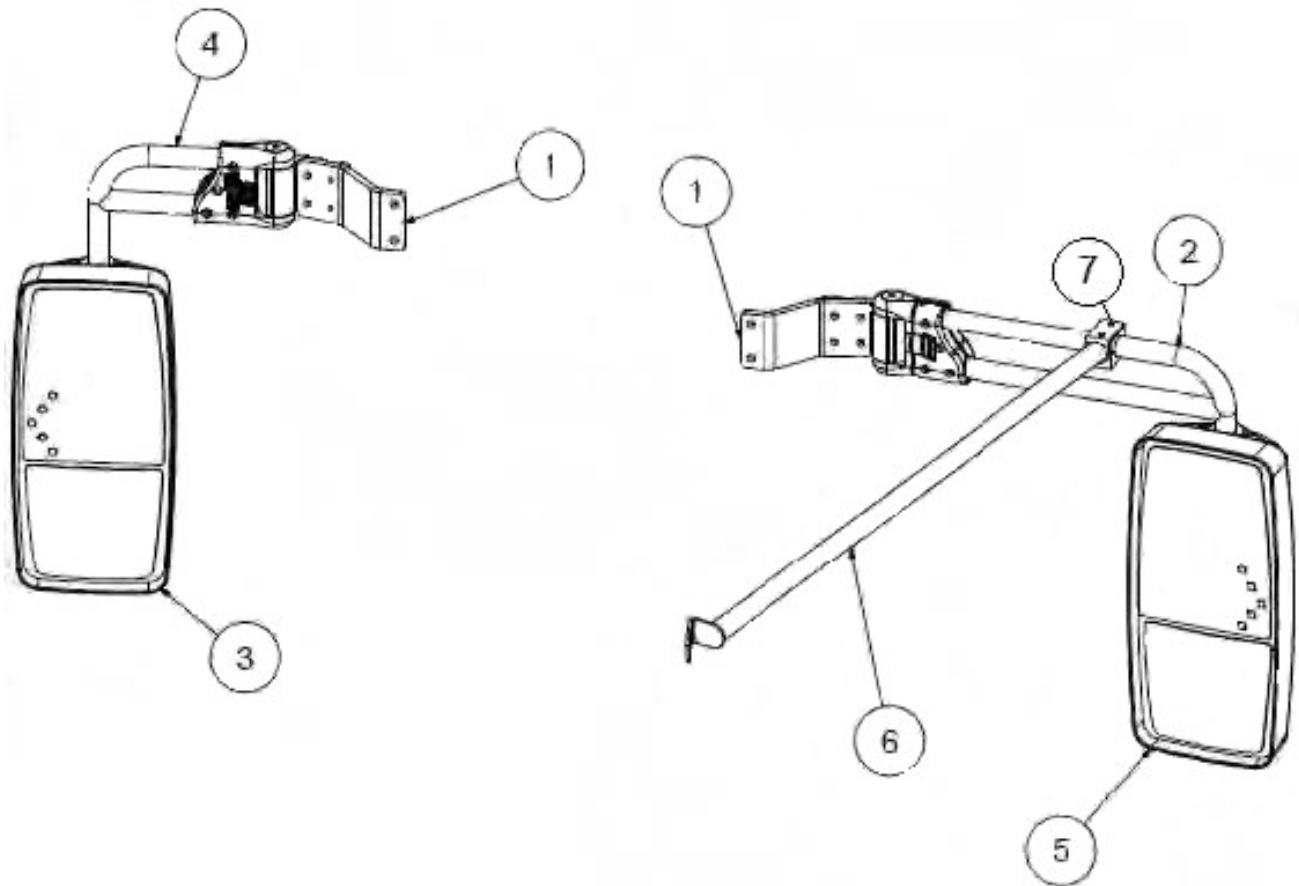
A.C. Kits & Components

Sub Kits	DTAC Part #	Description	Qty.
MS Part#			
5P4115	01-05272	Compressor, A.C.	1
5P4111	07-36005-12BL	Condensor, Dual Fan - Black	1
5P4171		Condensor Fan Motor	
5K1041	A.C Drier / Accumulator Kit		
	06-12020	Drier	1
	03-34070	Binary Switch	1
	03-13036	Plug, Binary Switch	1
	06-75000	Accumulator	1
	NON 35-11452	Tube, Accumulator	1
	06-10108	Bracket, Drier / Accumulator	2
	5P4202	A.C. Hose, Condensor to Drier	1
	5P4203	A.C. Hose, Drier to Cab	1
	5P4204	A.C. Hose, Cab to Accumulator	1
5K1042	Hose Kit, Compressor		
	5P4201	A.C. Hose, Compressor to Condensor	1
	5P4205	A.C. Hose, Accumulator to Compressor	1
	09-04004	Clamp, Double Hose	4

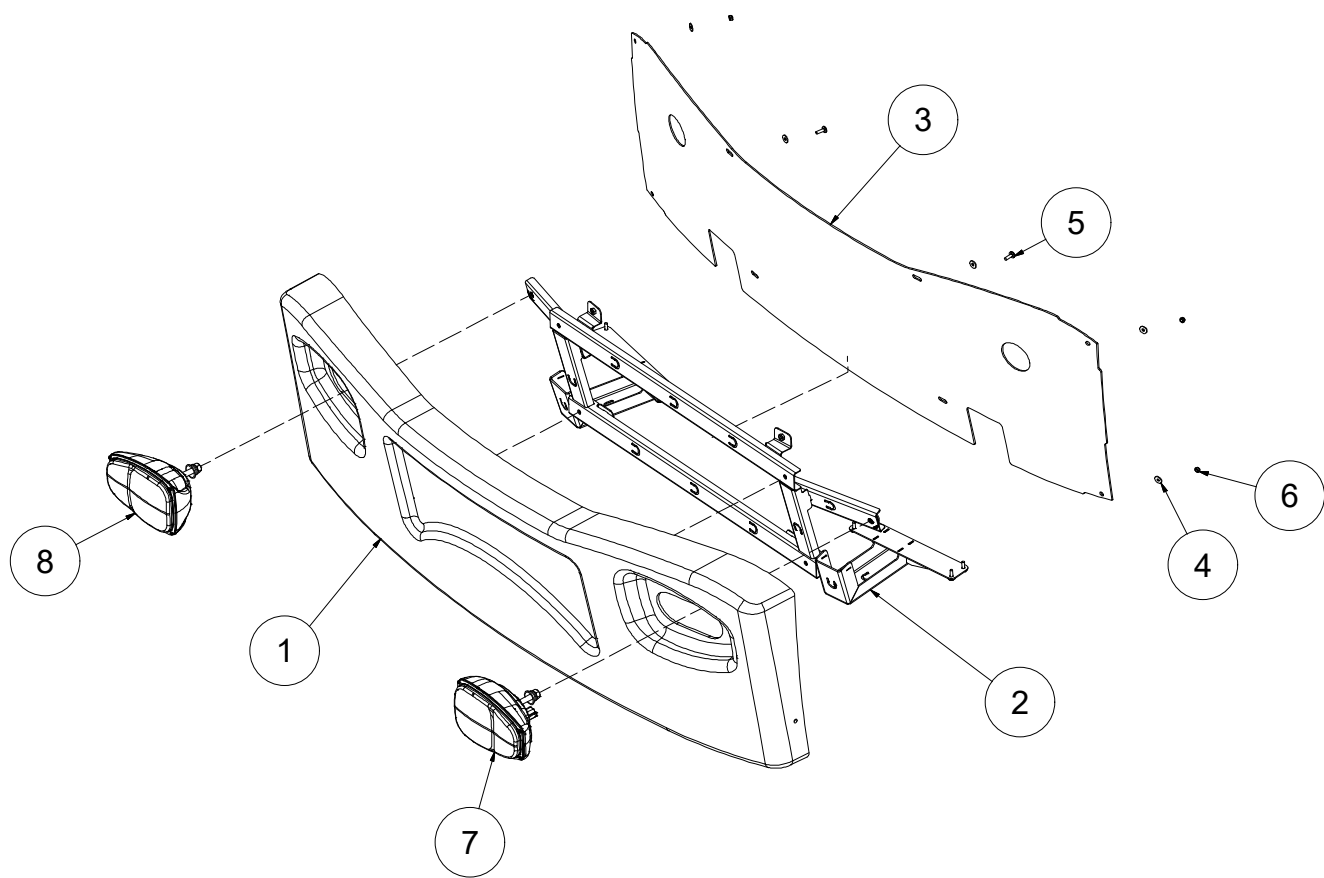


WIPER SYSTEM			
ITEM #	SERVICE PART #	QTY	DESCRIPTION
1	169007	1	WIPER MOTOR
2	177062	1	WIPER ARM
3	170401 5P6885	1	WIPER BLADE
4	169008	1	WASHER RESERVOIR
5	169009	REF	HOSE
6	169030	2	SCREW M6
7	173142	1	VALVE
8	169012	1	CONNECTOR -90DEG
9	186357	1	GROMMET
10	172216	REF	FOAM SEAL

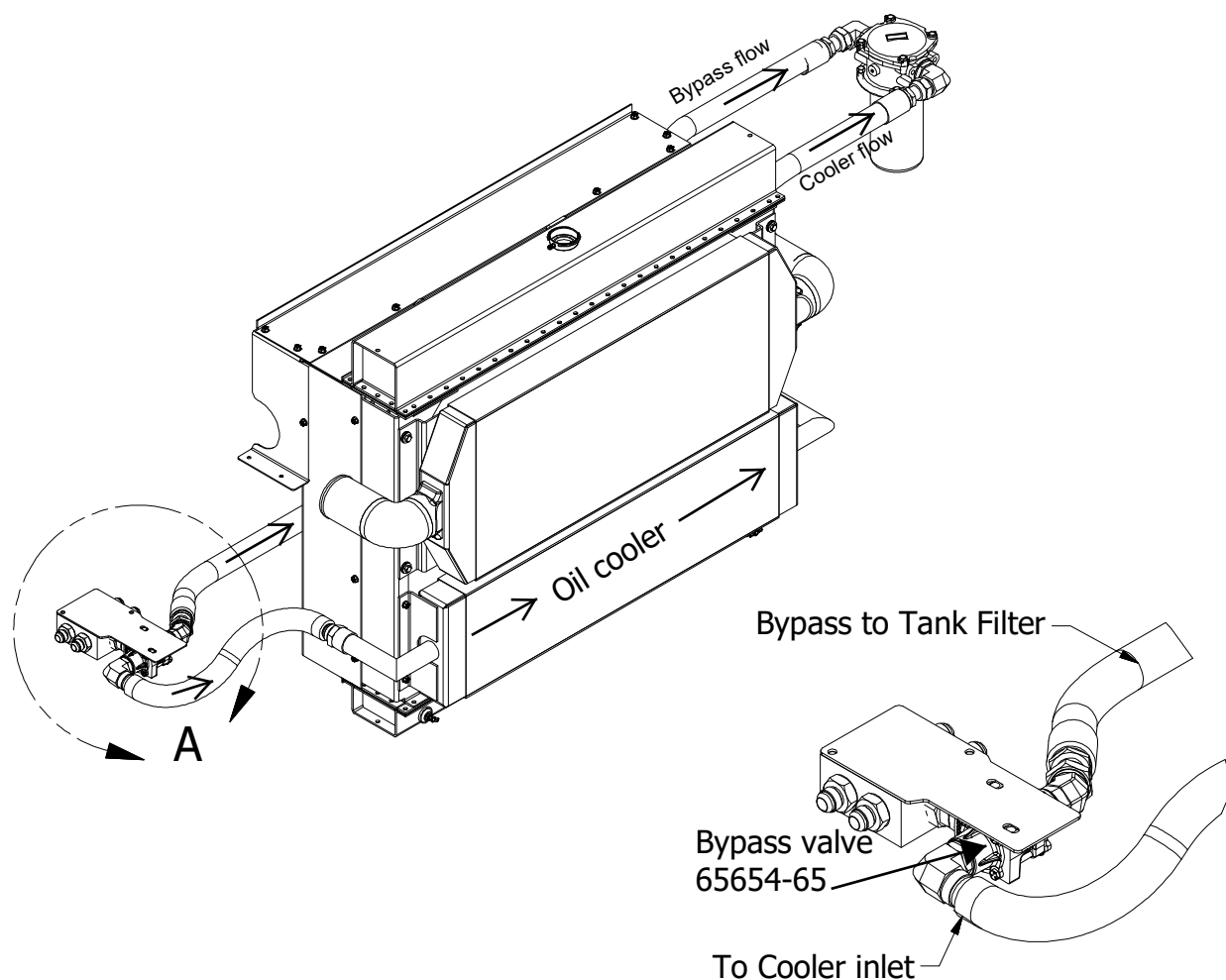
Mirror Asm		
ITEM	PART NUMBER	DESCRIPTION
1	5P0470	Mirror adapter
2	5P7157	Arm, RH Mirror w. Harness
3	5P7180	Exterior Mirror LH, w. signal,Heat,remote adj
4	5P7156	Arm, LH Mirror w. Harness
5	5P7181	Exterior Mirror RH, w. signal,heat,remote adj
6	100674	Brace, Mirror Right
7	100754	Brace clamp block



Mil-Stak Cab Fascia Assembly		
ITEM	PART NUMBER	DESCRIPTION
1	5P6801	Mil-Stak Fascia
2	176415	Mount Frame
3	176414	Rear cover ,Fascia
4	149208	Flat Washer
5	118941	Screw
6	113630	Nut
7	282379	Head light with signal
8	282379	Head light with signal



SP/3255 starting with serial number SP2302104. A Thermal Bypass Valve is installed on the hydraulic return manifold. This has a factory installed thermostat that routes the cold oil directly to the hydraulic oil tank. When the hydraulic oil reaches a temperature of 100°F. the bypass valve closes and diverts the warm oil through the cooler. Machines after serial number SP2312114 see page 81.



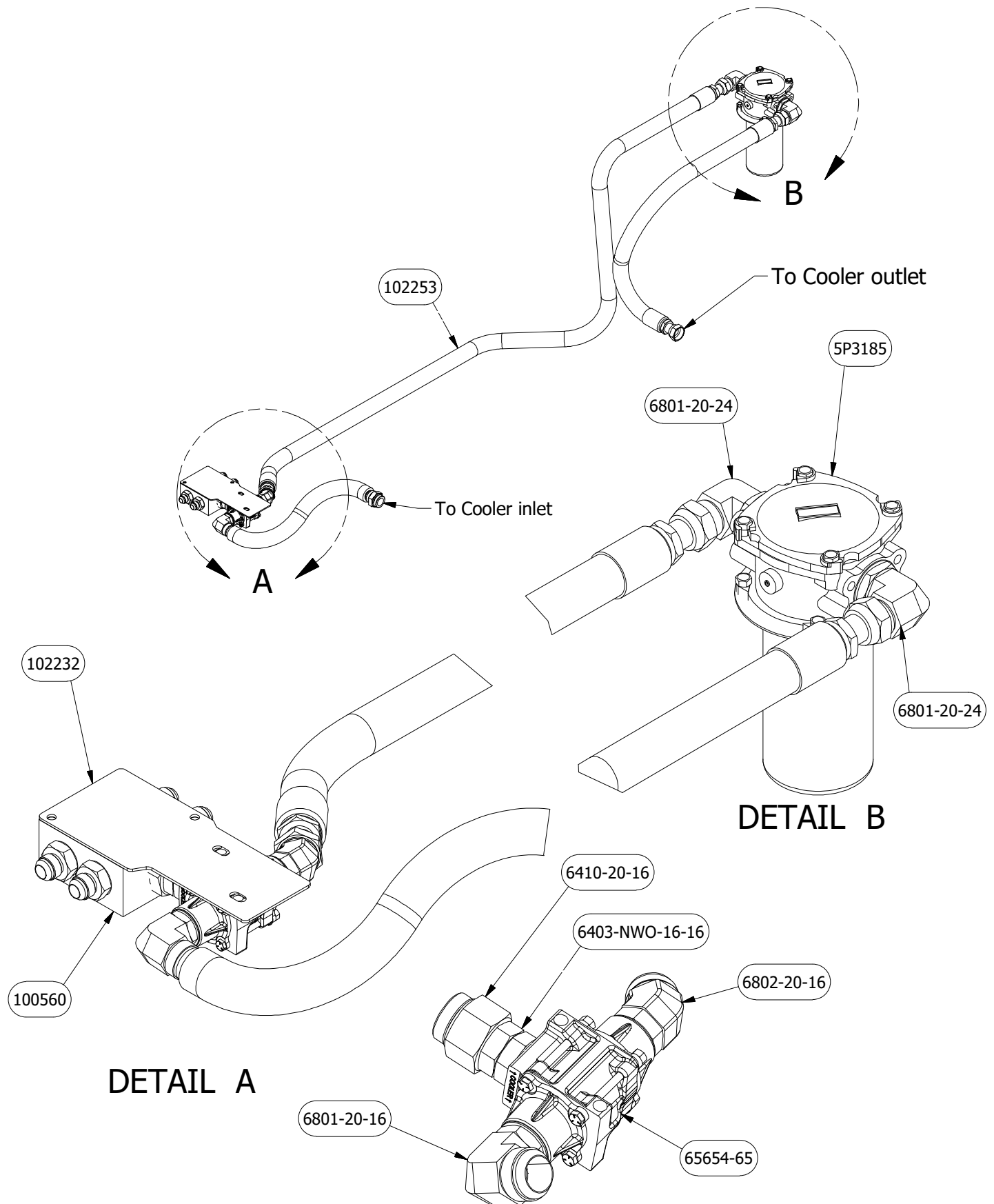
DETAIL A

A kit is available to fit previous SP/3255 models.

Kit # 102252K includes bypass valve, mounting brackets, fittings and hoses.

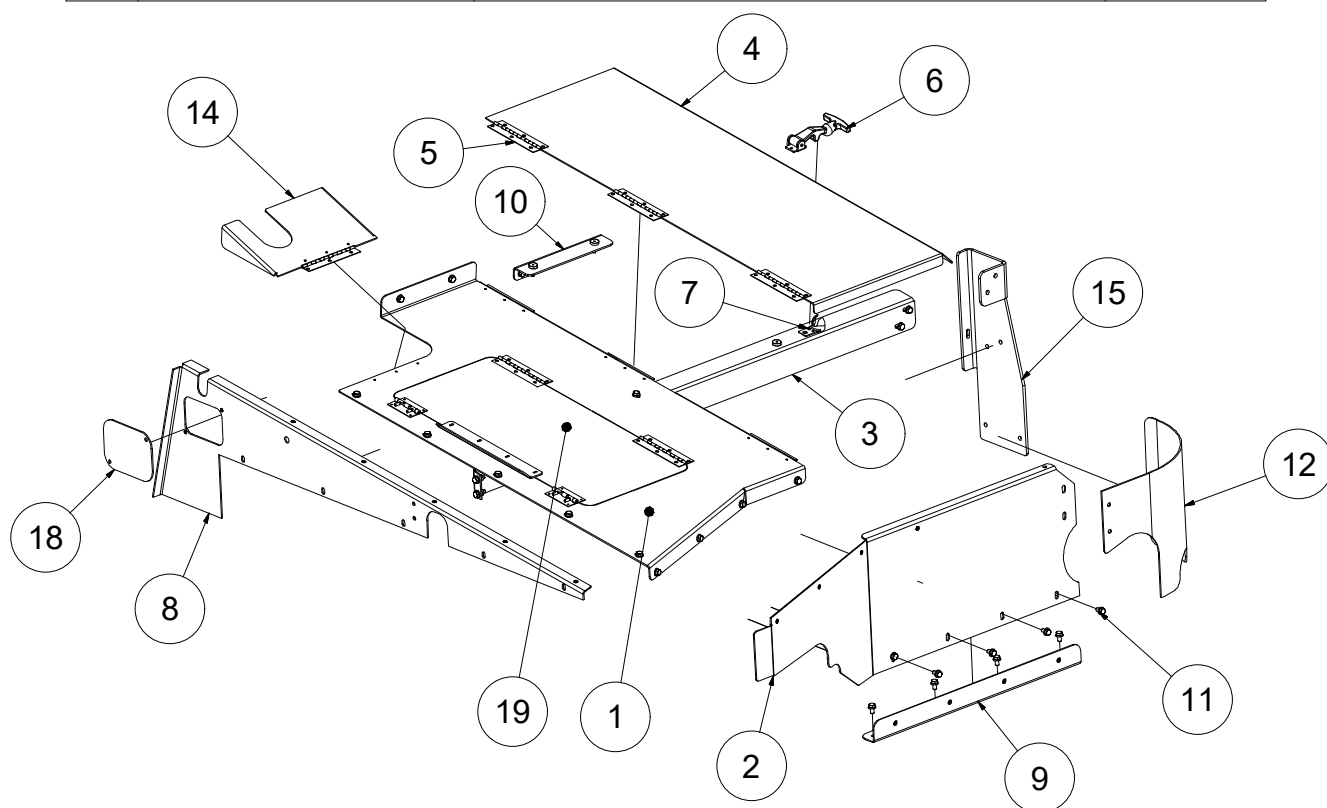
Hydraulic return oil by-pass starting with serial number
SP2302104 thru SP2311113.

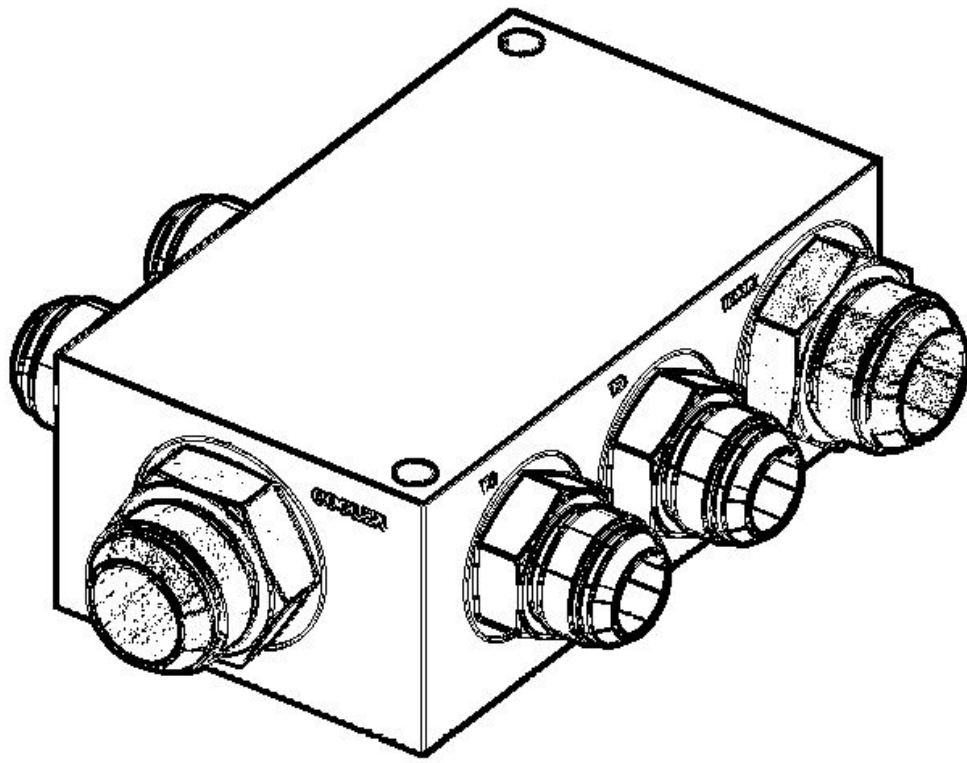
Serial numbers starting with SP2312114 see page 81



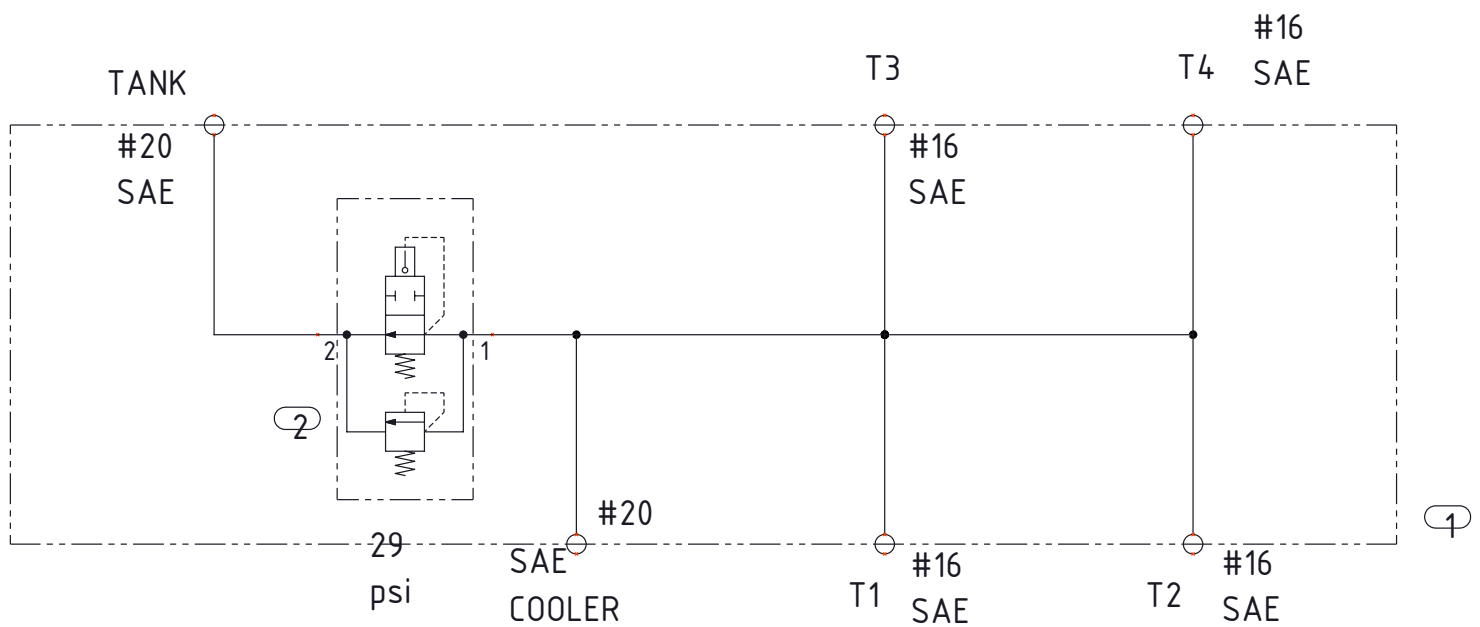
102287 Engine Cover Assembly Starting with serial number SP2306108

ITEM	PART NUMBER	DESCRIPTION	
1	102278	Engine Shroud, Top left	
2	102277	Rear Base, Engine Shroud	
3	102283	Cross Support Bar	
4	102285	Hood ,Engine Shroud	
5	4P5295	Hinge, SS 6x2	
6	4P5347	T-Handle Rubber Draw Latch	
7	4P5348	Keeper, Rubber Draw Latch	
8	102288	End Cap	
9	102289	Cross Member Attach Brkt	
10	102290	Hood Stop Brkt	
11	5/16-18	Hex Flange Bolt	
12	102291	Radius Shield	
13	9310K14	Rubber bumper	
14	102294	Dust Cover SB Down Sensors	
15	102296	DEF Pump Mount Post	
16	15185A43	Latch	
17	102297	Hatch Handle	
18	102305	Pin access cover	
19	102304	Clean out Lid	





#102254 Thermal Bypass /Return Hydraulic Manifold. Used on Serial number SP2312114 and Later.





Self-Propelled Filter List

SP/3150 Filter List

Filter #	Qty, used	Manufacturer	Description	Notes
AF26125	1	Fleetgaurd	Air Filter, Inner (plastic housing)	*
AF1894M	1	Fleetgaurd	Air Filter, Inner (metal housing)	*see below.
AF26124	1	Fleetgaurd	Air Filter, Outer (plastic housing)	*
AF1828	1	Fleetgaurd	Air Filter, Outer (metal housing)	*see below.
LF9009	1	Fleetgaurd	Engine Oil	
FS19732	1	Fleetgaurd	Fuel System (separator)	
FF5580	1	Fleetgaurd	Fuel System	
3964093	1	Cummins	Crankcase Filter	
P562208	2	Donaldson	Hydraulic System	P165876 old #
P532931	1	Donaldson	Cabin	

SP/3250

Filter #	Qty, used	Manufacturer	Description	Notes
AF1894M	1	Fleetgaurd	Air Filter, Inner (metal housing)	*see below.
AF1828	1	Fleetgaurd	Air Filter, Outer (metal housing)	*see below.
LF9009	1	Fleetgaurd	Engine Oil	
FS1098	1	Fleetgaurd	Fuel System (separator)	
FF63009	1	Fleetgaurd	Fuel System	
CV50628-MF	1	Fleetgaurd	Crankcase Filter	verify by serial # with your Cummins dealer
P566272	1	Donaldson	Hydraulic System	
P532931	1	Donaldson	Cabin	

SP/3255

Filter #	Qty, used	Manufacturer	Description	Notes
P777868	1	Donaldson	Air Filter, Outer	
P777869	1	Donaldson	Air Filter, Inner	
LF14009NN	1	Fleetgaurd	Engine Oil	
FS1098	1	Fleetgaurd	Fuel System (separator)	
FF63009	1	Fleetgaurd	Fuel System	
4388378	1	Cummins	DEF	
P566272	1	Donaldson	Hydraulic System	
P532931	1	Donaldson	Cabin	

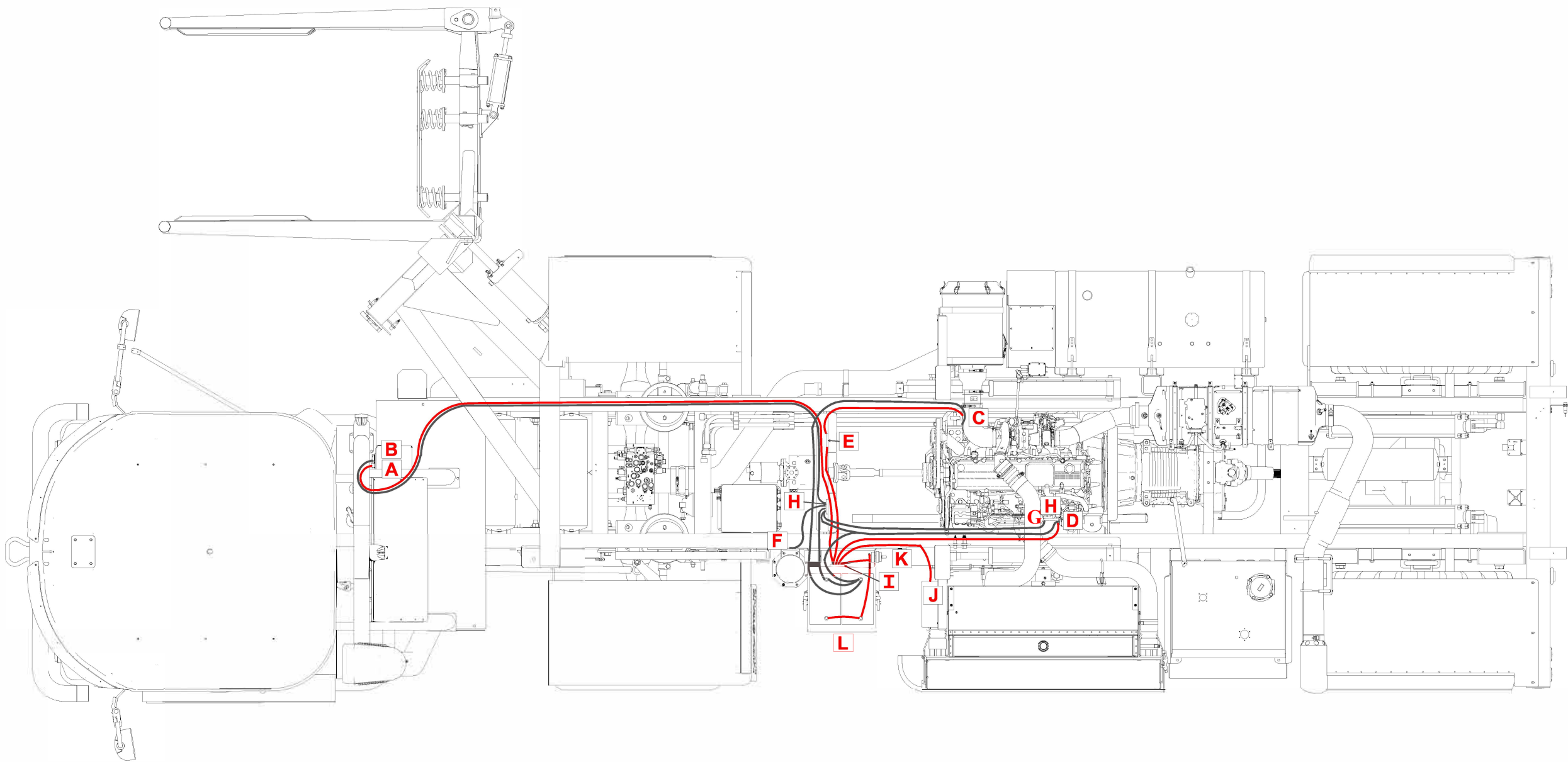
*If the SP/3150 or SP/3250 has been updated with the the air intake above the cab use the air filters listed under SP/3255

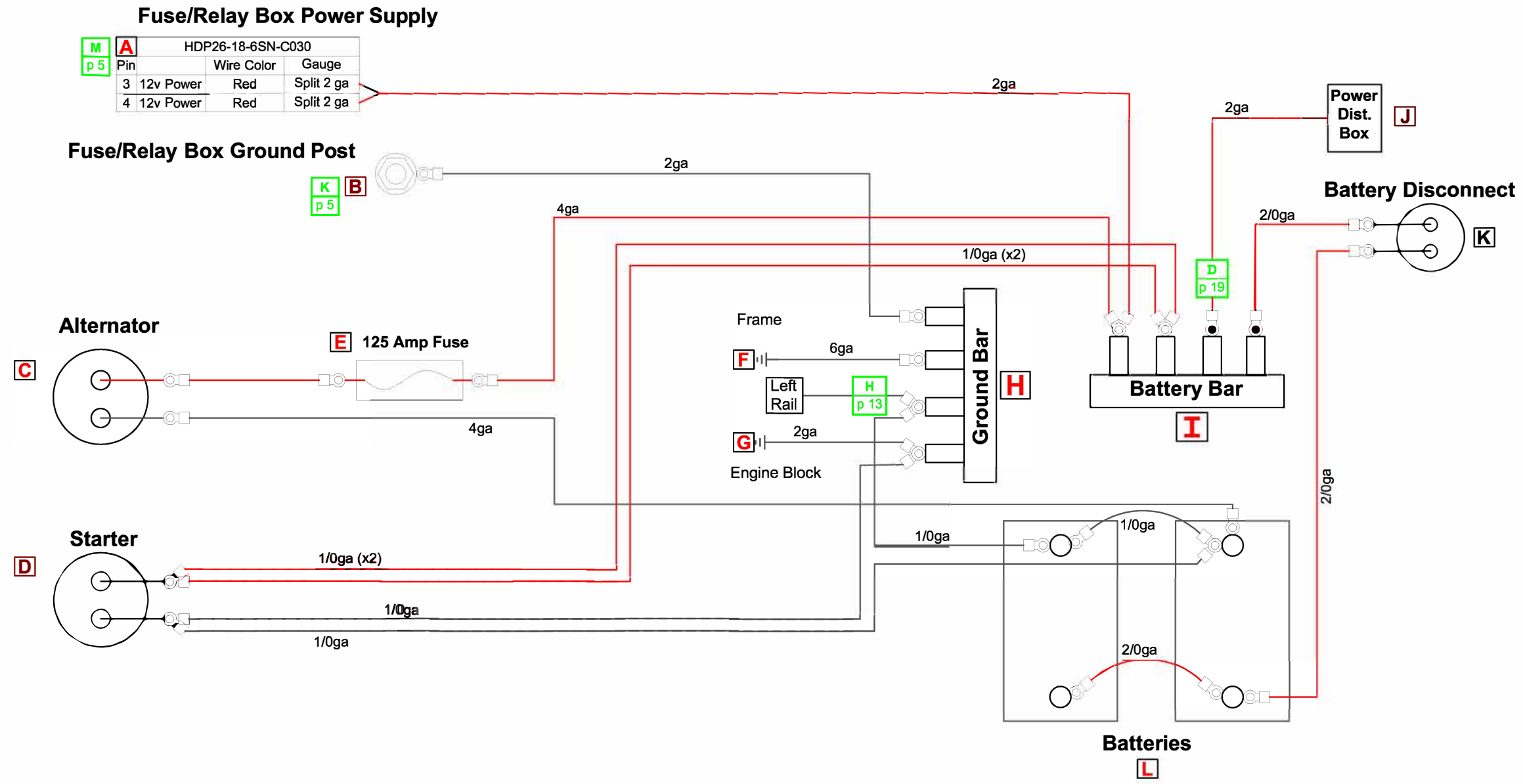
SP/3255 Electrical

Table of Contents

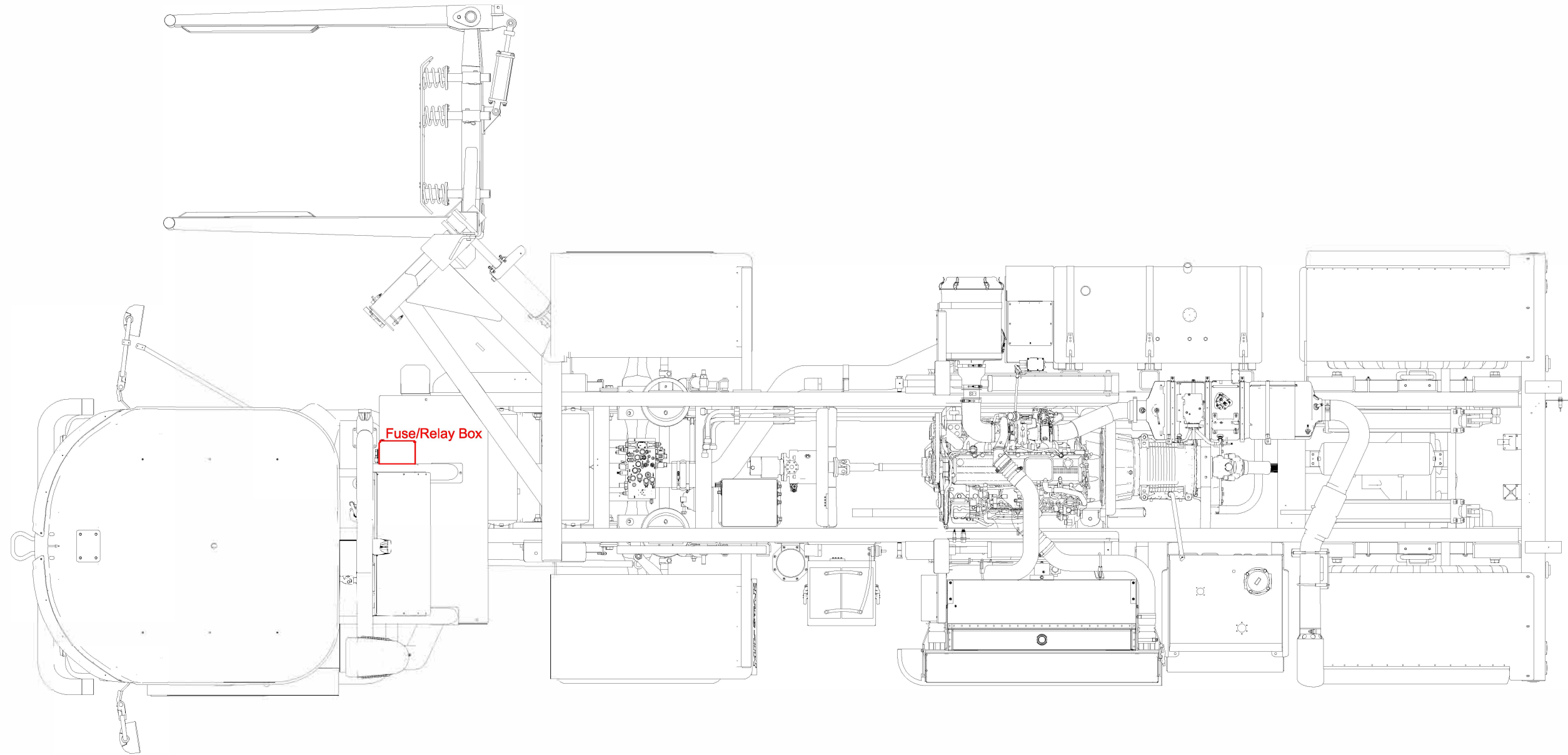
Pg	Title	Connections to:
1	Table of Contents	
2	Battery Cables Layout	
3	Battery Cables Schematic — — — — —	Fuse/Relay Box Power and Ground, Alternator, Starter, Power and Ground Bars, Battery Disconnect, Batteries.
4	Fuse/Relay Box Layout	
5	Fuse/Relay Box Schematic — — — — —	Right Rail Harness, Cab Steering Column, Console, Power to Cab, AC Condenser, Indicator Panel, HVAC in Cab. (Inside Box: 75A Relay, 60A Breaker, Flasher)
6	Fuse/Relay Box to Cab Harness Layout	
7	Fuse/Relay Box to Cab Harness Schematic — —	Power to Cab, Indicator Panel, HVAC in Cab, Steering Column, Console, Headlights. Cab Bulkhead - Labeled.
8	Console, Headlight Harnesses Layout	
9	Console, Headlight Harnesses Schematic — — —	Cab Bulkhead, Step Control, Park Brake Indicator, Low Air Signal, Air Gauge Light, Joystick, Shift Selector, Diagnostic Port, Coolant Pump Switch, Display.
10	Right Rail Harness Layout	
11	Right Rail Harness Schematic — — — — —	Left Rail Harness, Transmission Harness, Light Connections Box, Computer Box, Air Jets, Fuse/Relay Box, Step Cylinder Valve, AC Binary Switch, AC Compressor.
12	Left Rail Harness Layout	
13	Left Rail Harness Schematic — — — — —	Engine ECM, Crossover Connector, Aftertreatment Harness, Water in Fuel, Right Rail Harness, Transmission, Hydraulic Fluid Level, #9 Stack Bed Down Sensor, Radiator Fluid Level, Power Distribution Box, Grid Heater, Computer Box Power, Air Dryer, Coolant Pump, DEF Pump, DEF Tank Heat Valve, DEF Heater Lines for Pressure & Backflow & Suction, DEF Tank.
14	Aftertreatment, AC & Clamp Work Light, Table Work Light Harnesses Layout	
15	Aftertreatment, AC & Clamp Work Light, Table Work Light Harnesses Schematics — —	Aftertreatment: Left Rail Harness, Exhaust Gas Temp Sensor, Inlet NOX, Outlet NOX, DPF Differential Pressure Sensor, DEF Dosing Module. AC & Clamp Work Light: Fuse/Relay Box, Condenser, Clamp Work Light. Table Work Light: Cab, Work Light.
16	Transmission Harness Layout	
17	Transmission Harness Schematic — — — — —	VIM 18 pin, Rear Harness, VIM 30 pin, Left Rail Harness, Right Rail Harness, CAN 0, I/O Module, Stack Bed Sensors, Fuel Level Sender, Output Speed Sensor, Engine Speed Sensor, Transmission Control Module (TCM), Transmission Connector, CAN 1.
18	Power Distribution Box Layout	
19	Power Distribution Box Schematic — — — — —	Left Rail Harness, Grid Heater, Frame Power Post. (Inside Box: 75A Relay, 125A Fuses for Grid Heater, Small Fuse/Relay Panel, 100A Relay Contactors for Grid Heater.)
20	Light Box Harness, Light Connections Box Layout	
21	Light Box Harness, Light Connections Box Schematics	Light Box Harness: Light Connections Box, Right Rail Harness, Brake Switch. Light Connections Box: Light Box Harness, Rear Bumper Marker/Work Lights, Stack Bed Marker Lights, Tail Lights, Brake Lights, Turn Signal Lights.
22	Trailer Lights Harness Layout	
23	Trailer Lights Harness Schematic — — — — —	Light Connections Box, Rear Bumper Work and Marker Lights, Stack Bed Marker Lights, Rear Tail/Brake/Signal Lights,
24	Computer Box Layout	
25	Computer Box Schematic — — — — —	Power Supply, Clamp Sensors, Receiving Table Sensors, Right Rail Harness, Valve Block, CAN 0 and CAN 1. (Inside Box: Controller, 50 pin)
26	Valve Block Harness Layout	
27	Valve Block Harness Schematic — — — — —	Computer Box, Valve Block Solenoids.
28	Sensor Harness Layout	
29	Sensor Harness Schematic — — — — —	Computer Box, Transmission Harness, Proximity Sensors, Radiator Fan Reverse Switch.
30	Rear Harness Layout	
31	Rear Harness Schematic — — — — —	Transmission Harness, Differential Lock, Reverse Warning, Brake Inhibit Switch, Auto Neutral (Park Brake Switch).

Battery Cables - SP/3255

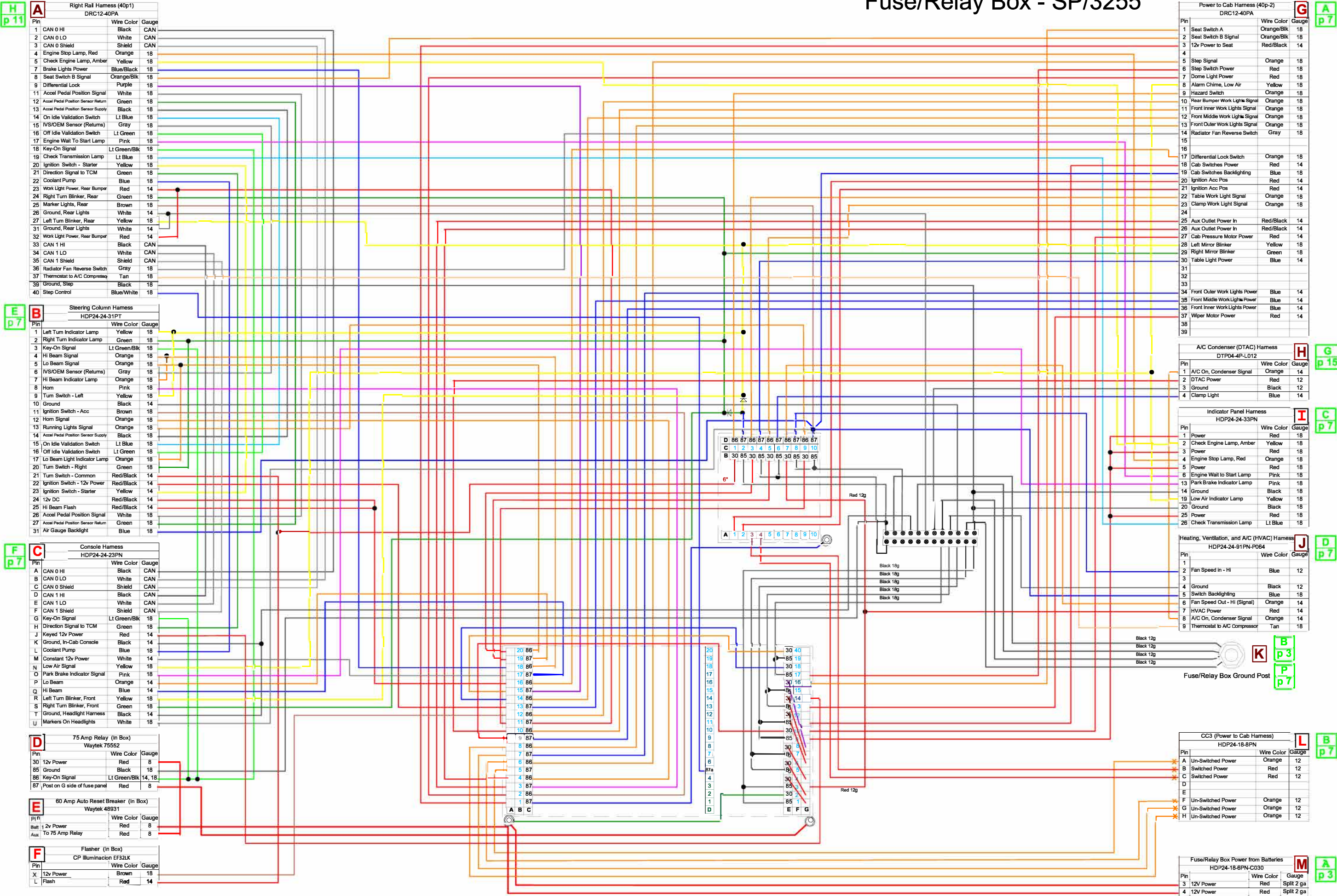




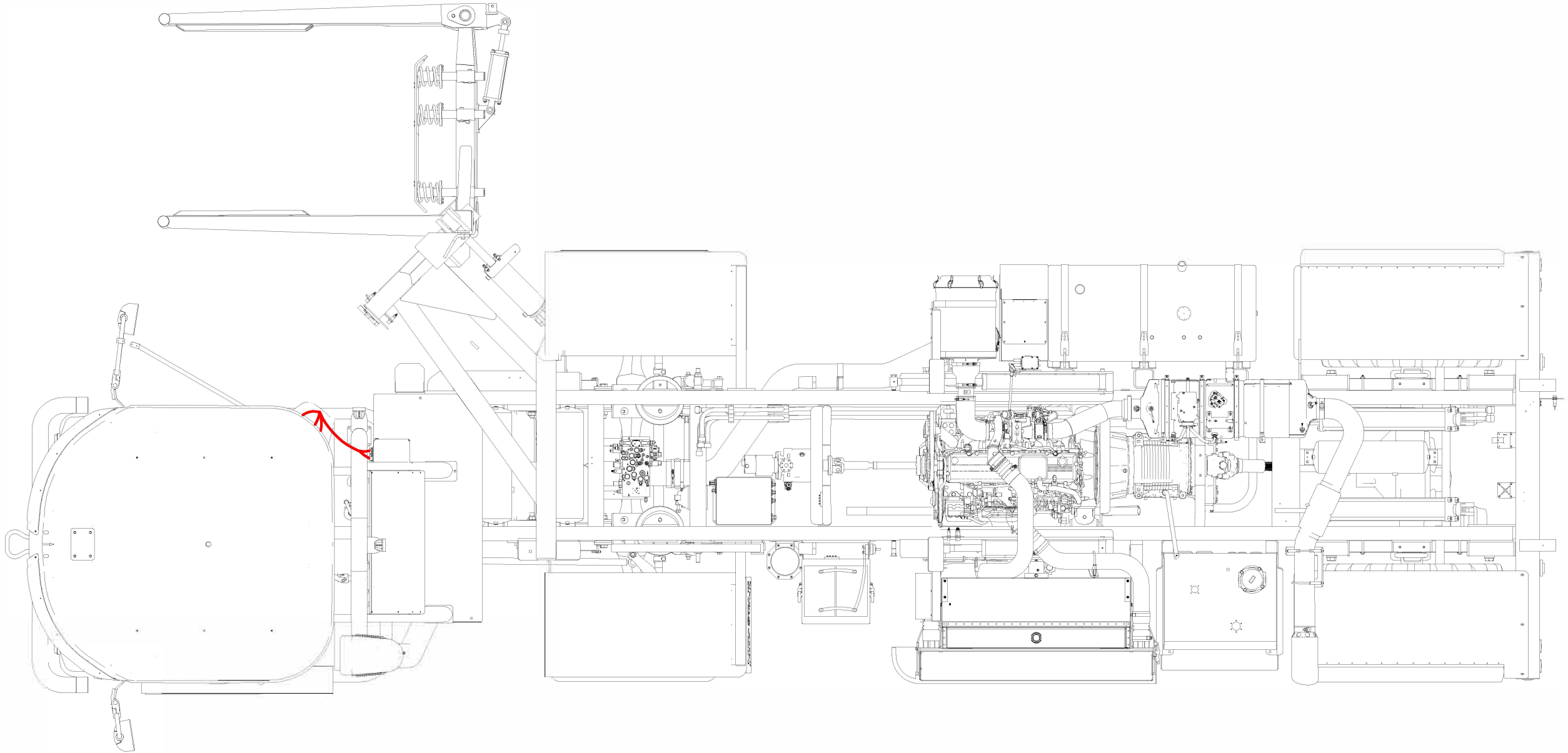
Fuse/Relay Box - SP/3255



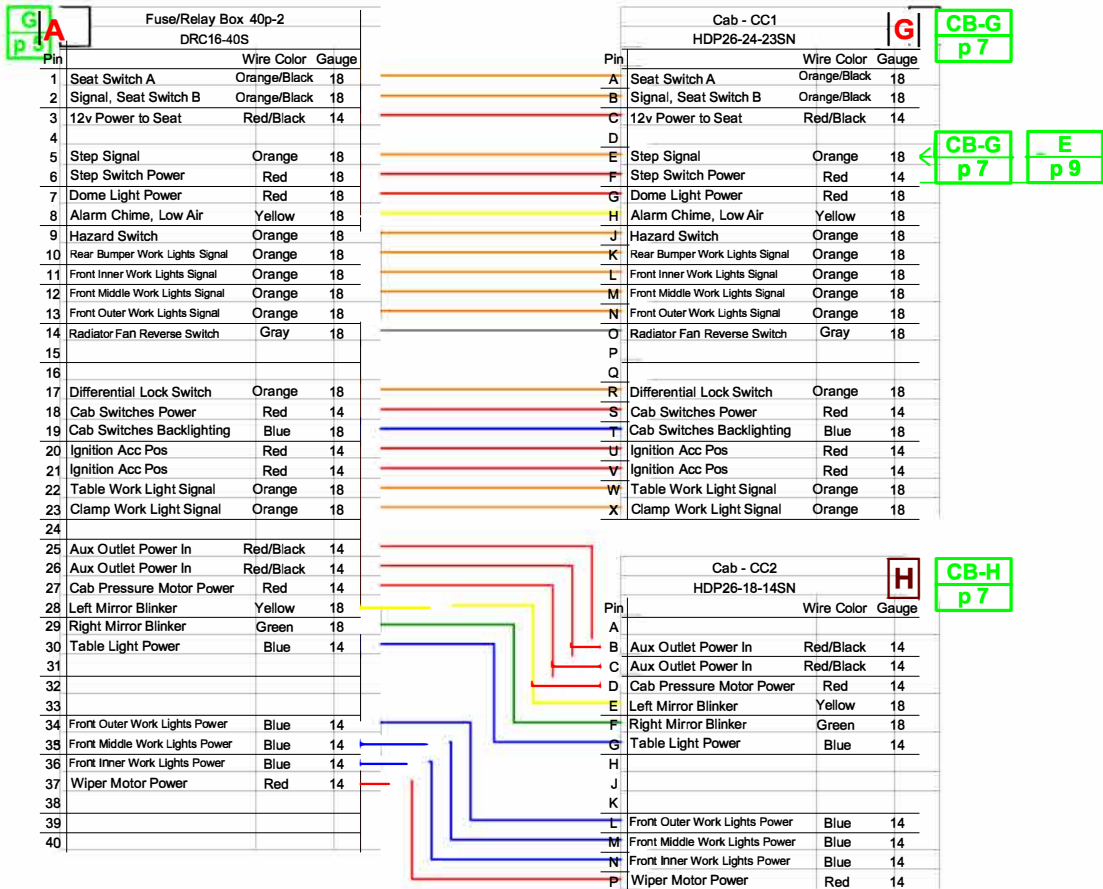
Fuse/Relay Box - SP/3255



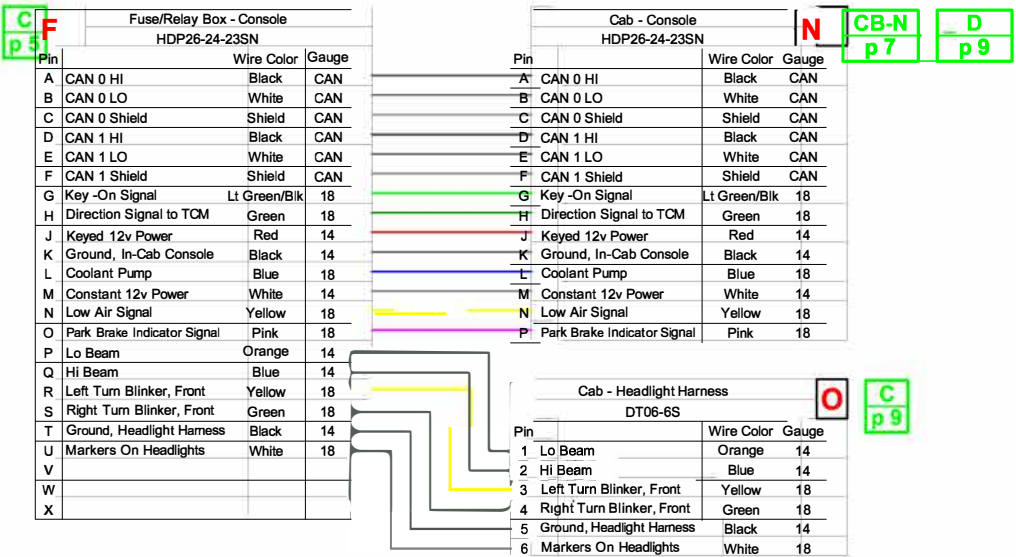
Fuse Box to Cab Harness - SP/3255



Fuse/Relay Box to Cab Harness - SP/3255

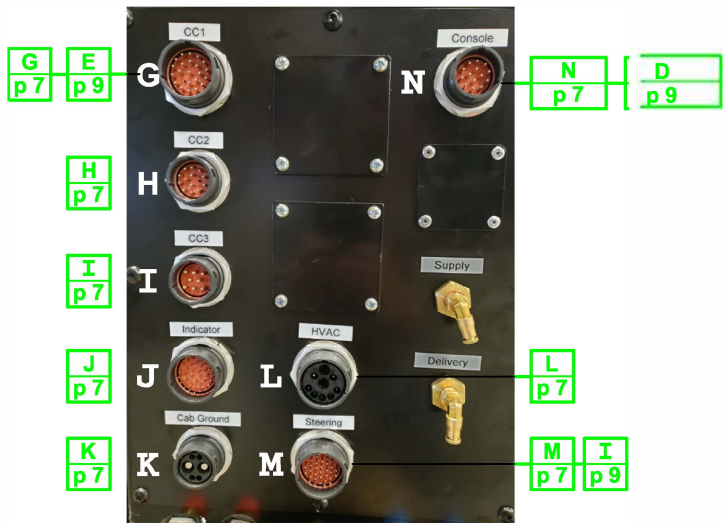


Serial number SP2302104
and later Fuse Panel

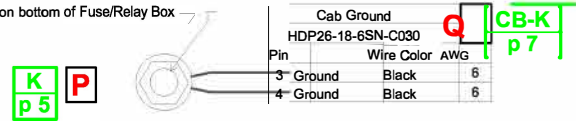


Serial number SP2302103 and Earlier

Cab Bulkhead Connections

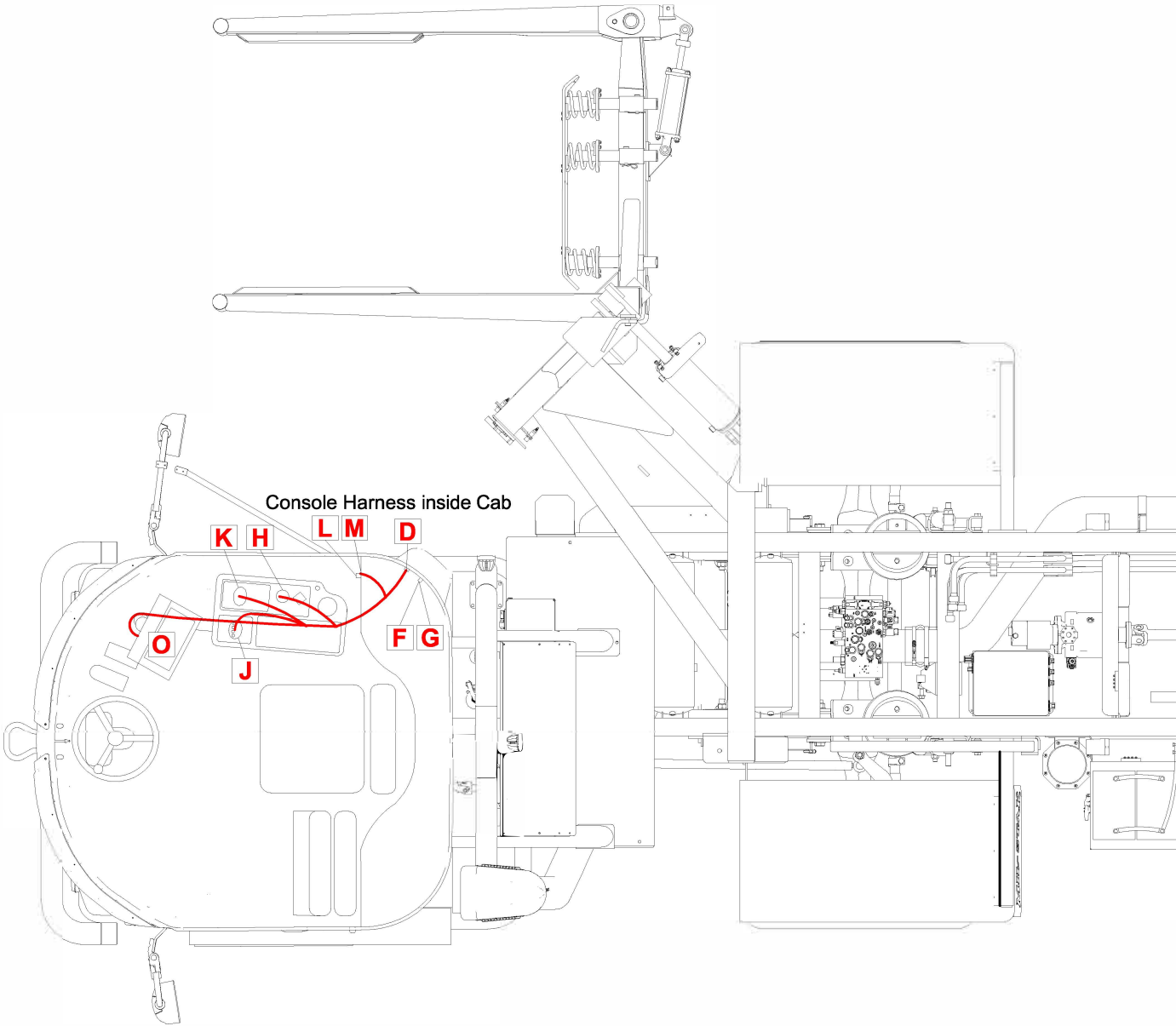
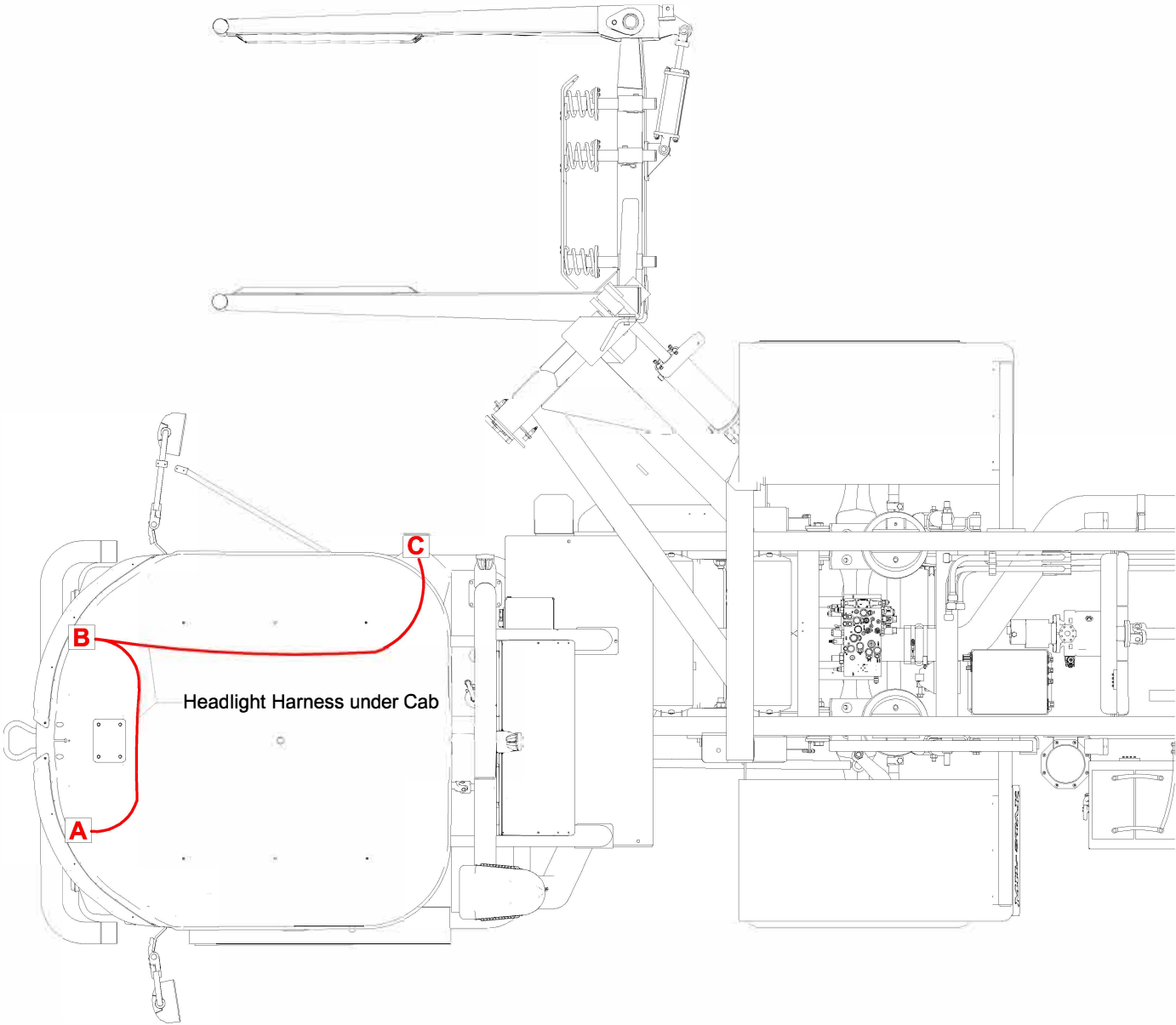


Ground Post on bottom of Fuse/Relay Box

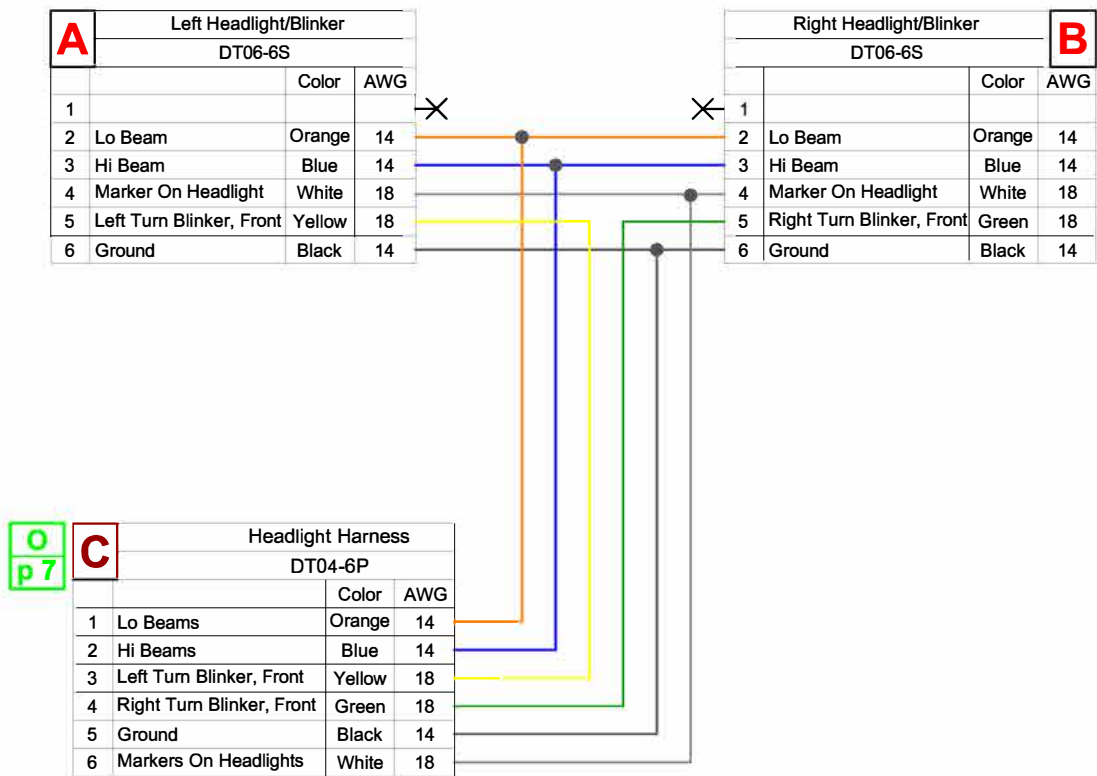


TOC

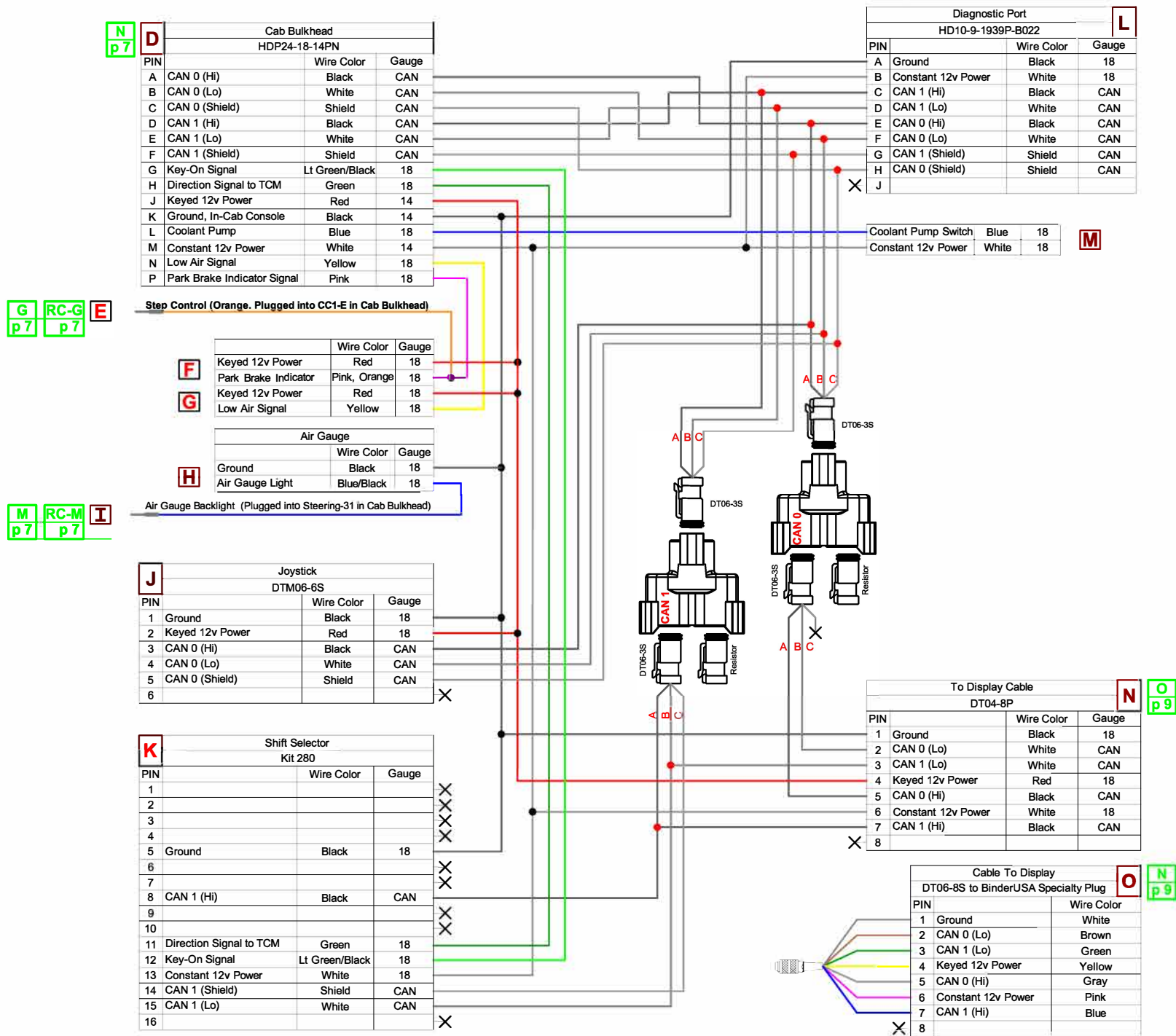
Headlight and Console Harnesses - SP/3255



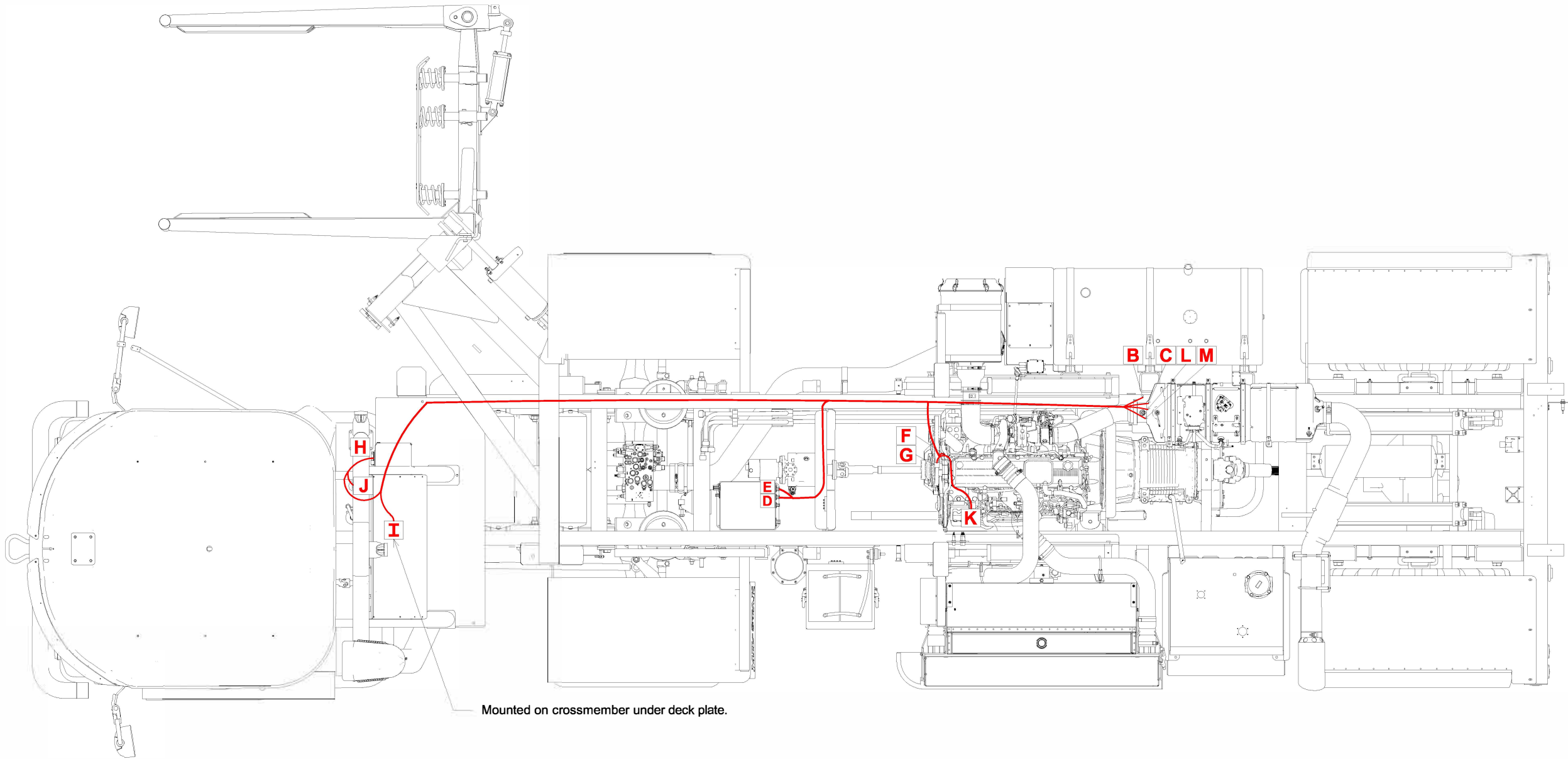
Headlights - SP/3255



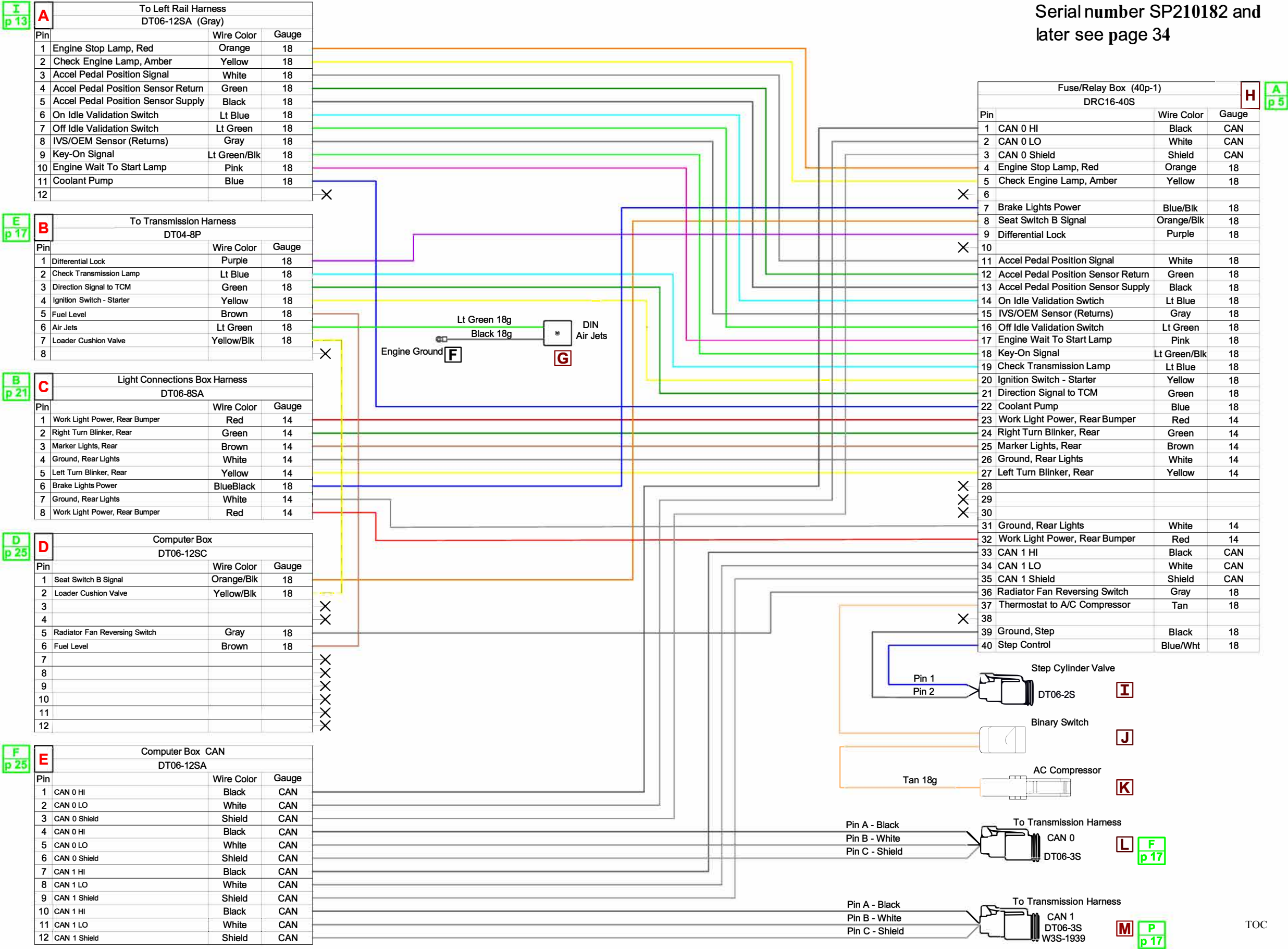
Console Harness - SP/3255



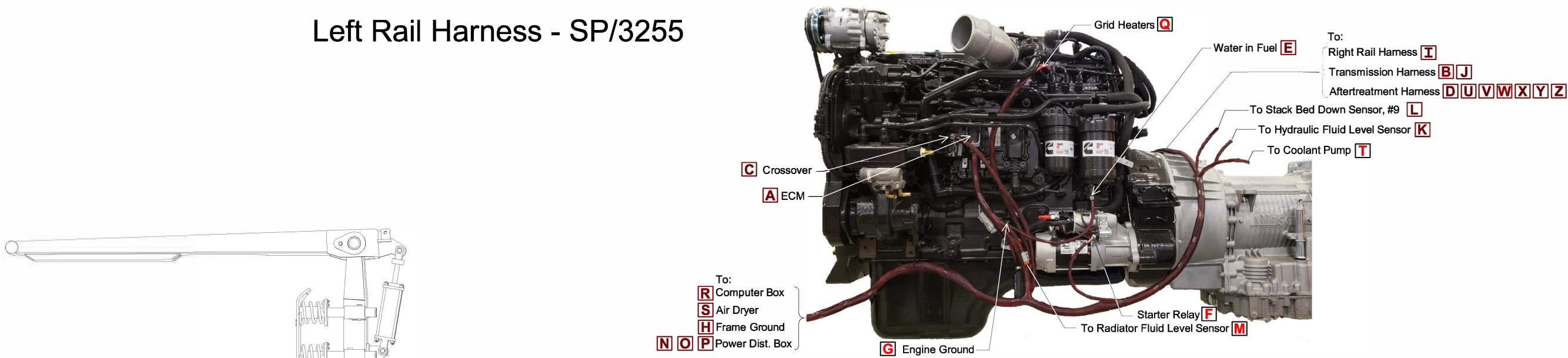
Right Rail Harness - SP/3255



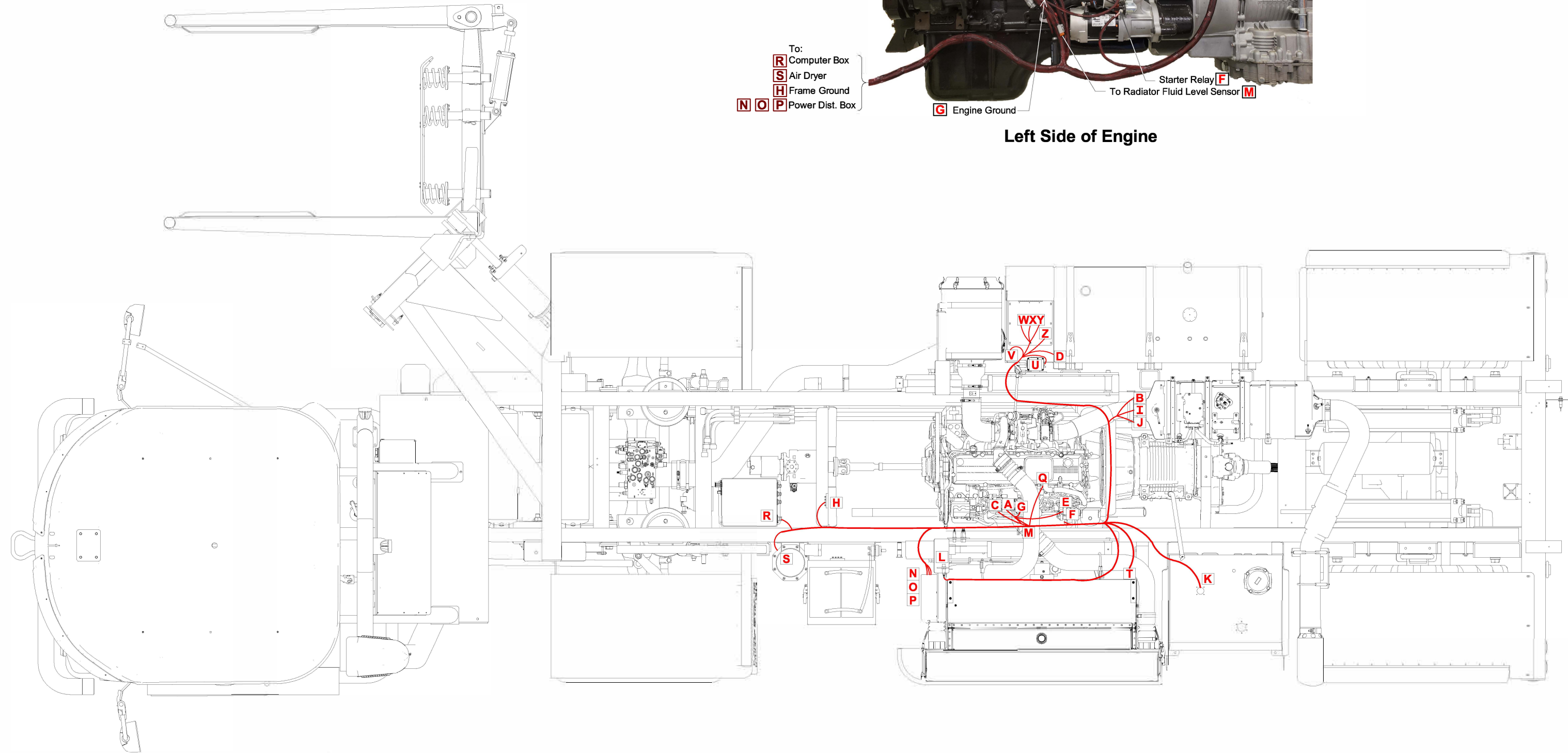
Serial number SP210182 and
later see page 34



Left Rail Harness - SP/3255



Left Side of Engine



Left Rail Harness - SP/3255

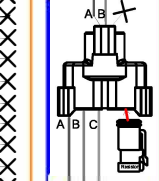
Engine ECM			
96 Way T4I-T4F Kit 900308			
PIN		Wire Color	Gauge
1	Battery Supply (+)	Red	18
2	DEF Low Lamp		
3	DEF Line Heaters Relay Control	Blue/White	18
4	Spare		
5	Key Switch	Lt Green	18
6	DEF Pump Motor Speed Control Signal	Yellow/Black	18
7	Power On Indicator		
8	OEM Sensor Supply	Red	18
9	Accel Pedal Position Sensor Supply	Black	18
10	Accel Pedal Position Signal	White	18
11	Manual Fan/AC Pressure Switch		
12	Cruise Control Set/Dec Switch		
13	Water In Fuel	Yellow	18
14	DEF Tank Level Signal		
15	DEF Tank Temperature Signal		
16	DEF Dosing Pressure Signal	Tan	18
17	Spare		
18	OEM Pressure Sensor 2		
19	Cruise Control Resume/Inc Switch		
20	Intermediate Speed Control (w Validation)		
21	J1939 Datalink 4 (+) Hi		
22	J1939 Datalink 1 (+) Hi, CAN 1	Black	CAN
23	Exhaust Sys Clean (Regen) Lamp		
24	CAC Outlet Temperture Signal		
25	Battery Supply (+)	Red	18
26	IBattery Supply (+)	Red	18
27	Battery Supply (+)	Red	18
28	Battery Supply (+)	Red	18
29	Spare		
30	Tachometer Drive Output Signal		
31	Vehicle Speed Signal (Digital)		
32	OEM Sensor Return	Black	18
33	Accel Pedal Position Sensor Return	Green	18
34	Spare		
35	Engine Coolant Level (Signal/Switch)	Brown	18
36	Reversible Fan Pitch Signal		
37	Spare		
38	DEF Line Heater Diag 1 (Pressure)	Gray/White	18
39	DEF Line Heater Diag 2 (Backflow)	Pink/White	18
40	DEF Line Heater Diag 3 (Suction)	Green/White	18
41	DPF Differential Pressure Signal	Orange/White	18
42	DPF Outlet Gas Pressure Signal	Green	18
43	Off Idle Validation Switch	Lt Green	18
44	On Idle Validation Switch	Lt Blue	18
45	J1939 Datalink 4 (-) Lo		
46	J1939 Datalink 1 (-) Lo, CAN 1	White	CAN
47	OEM Switch/Mus SW 3		
48	Exh Sys Cing (Regen) Inhibit Lamp		
49	Battery Return (-) #2	Black	18
50	Battery Return (-) #2	Black	18
51	Battery Return (-) #2	Black	18
52	Battery Return (-) #2	Black	18
53	DEF Dosing Valve Low (-)	Blue	18
54	DEF Pump Motor Relay Return	Purple	18
55	Frequency Throttle 1		
56	OEM Temperature		
57	DEF Tank Heater Relay Return	Lt Blue	18
58	Spare		
59	Vehicle Speed Signal (-) Lo		
60	Vehicle Speed Signal (+) Hi		
61	Accel Pedal Position 2 Return		
62	OEM Switch/OEM Sensor (Returns)	Gray	18
63	Remote Accel Pedal Position/Variable ISC		
64	Accel Pedal Position Sensor Signal 2		
65	Reversible Fan Man Purge Switch/Eng Air Valve PosSig		
66	ISC 2		
67	Remote Accel On/Off Switch		
68	Engine Brake Switch 1/Mus Switch 2		
69	Reversible Fan Purge/Inhibit Switch		
70	AXG Switch/Mus Enable/Prkng Brk		
71	Red Stop Lamp	Orange	18
72	Amber Warning Lamp	Yellow	18
73	Battery Return (-) #2	Black	18
74	Engine Air Shutoff Valve		
75	Intake Air Heater Relay Signal	Blue	18
76	OEM Highside Return 1	Pink	18
77	DEF Dosing Valve High (+)	Orange	18
78	Fan Clutch Sig/Reversible Fan Sig		
79	DEF Pump Motor Relay	Blue/Black	18
80	Dual Fan Clutch Relay		
81	Aftertreatment Power Relay	White	18
82	DEF Tank Heater Valve	Green/White	18
83	Eng Start/Stop Cntrl Sig/Starter Lockout Relay		
84	Not Used		
85	Not Used		
86	Engine Brake Switch 2		
87	Exh Sys Cing (Regen) Inhibit Switch		
88	Eng Prtctn Shutdown Ovrde Switch		
89	OEM Start/Stop Crank Switch		
90	Cruise Control On-Off/MUS (Complementary) Switch		
91	Manual Exh Sys Cleaning/Diag Test Mode (Switch)		
92	Clutch/Service Brake Pedl/MUS SW1		
93	Engine Alternate Low Idle Switch		
94	ISC Switch 1		
95	High Exhaust Sys Temperature Lamp		
96	Engine Wait-To-Start Lamp	Pink	18

CAN Bus (From ECM to Transmission)			
DT06-3S			
PIN		Wire Color	Gauge
A	J1939 Datalink 1 (+) Hi, CAN 1	Black	CAN
B	J1939 Datalink 1 (-) Lo, CAN 1	White	CAN
C	CAN Shield	Shield	CAN

OEM 4 Pin Crossover			
DT06-4S			
PIN		Color	Gauge
1	J1939 (+) Hi Datalink 2	Black	CAN
2	J1939 Lo Datalink 2 (-)	White	CAN
3	DEF Pump Motor Supply Feedback Monitor	Orange/Black	18
4	DEF Pump Motor Speed Feedback Signal	White/Black	18

To: Aftertreatment			
DT06-12S			
PIN		Wire Color	Gauge
1	Ground #1	Black/White	18
2	Power	Lt Green/ Wht	18
3	J1939 Datalink 2 (+) Hi	Black	CAN
4	J1939 Datalink 2 (-) Lo	White	CAN
5	DPF Differential Pressure Signal	Orange/White	18
6	DPF Outlet Gas Pressure Signal	Green	18
7	OEM Sensor Supply	Red	18
8	OEM Sensor Return	Black	18
9	DEF Dosing Valve Hi (+)	Orange	18
10	DEF Dosing Valve Lo (-)	Blue	18
11	DEF Dosing Pressure Signal	Tan	18
12			

6/11/2020



To Right Rail Harness			
DT04-12PA			
PIN		Wire Color	Gauge
1	Engine Stop Lamp, Red	Orange	18
2	Check Engine Lamp, Amber	Yellow	18
3	Accel Pedal Position Signal	White	18
4	Accel Pedal Position Sensor Return	Green	18
5	Accel Pedal Position Sensor Supply	Black	18
6	On Idle Validation Switch	Lt Blue	18
7	Off Idle Validation Switch	Lt Green	18
8	IVS/OEM Sensor (Returns)	Gray	18
9	Key-On Signal	Lt Green/Blk	18
10	Engine Wait To Start Lamp	Pink	18
11	Coolant Pump	Blue	18
12			

To Transmission Harness			
DT04-12PB			
PIN		Wire Color	Gauge
1	Ground #1 fuel level	Black	14
2	Ground #1 i/o .SBD sensor	Black	14
3	Ground #1 Dif lock, rev warn	Black	14
4	Ground #1 vlm	Black	18
5	Reverse Warning Power	Gray	18
6	Ignition Switch - Starter Relay	Lt Blue	18
7	VIM Battery Power	Orange	18
8	VIM Key-On Signal	Purple	18
9	I/O Module Power	Red	14
10	12v Power, Hyd Fluid & SB Down	Red	18
11	Hydraulic Sender Signal	Pink	18
12	Stack Bed Down Sensor Signal	Brown	18

Stack Bed Down Sensor			
DT06-3S			
PIN		Wire Color	Gauge
1	Hydraulic Fluid Level Sensor		
2	Sensor		
3	Connector		

Radiator Fluid Level Sensor			
DT06-4S			
PIN		Wire Color	Gauge
1	Sensor Supply	Red	18
2	Coolant Level Input	Brown	18
3	Sensor Return	Black	18

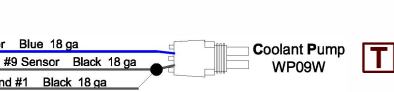
Power Distribution Box			
DT06-12SA			
PIN		Wire Color	Gauge
1	Ground #1	Black	18
2	Key-On Signal	Lt Green/Blk	18
3	VIM Key On Signal	Purple	18
4	ECM Key On Signal	Lt Green	18
5	VIM Battery Power	Orange	18
6	Computer Box Power	Red/Black	14
7	Air Dryer	Lt Green	14
8	I/O Module Power	Red	14
9	Intake Air Heater Relay Signal	Blue	18
10	OEM Highside Return 1	Pink	18
11	Reverse Warning Power	Gray	18
12	Aftertreatment Power Relay	White	18

DT06-12SB (Black)			
PIN		Wire Color	Gauge
1	Battery Supply (+)	Red	18
2	Battery Supply (+)	Red	18
3	Battery Supply (+)	Red	18
4	Battery Supply (+)	Red	18
5	Battery Supply (+)	Red	18
6	DEF Line Heaters Relay Control	Blue/White	18
7	DEF Line Heater Diag 1 (Pressure)	Gray/White	18
8	DEF Line Heater Diag 2 (Backflow)	Pink/White	18
9	DEF Line Heater Diag 3 (Suction)	Green/White	18
10	DEF Pump Motor Relay	Blue/Black	18
11	DEF Pump Power	Orange/Black	18
12	Sensor Power And DEF Tank	Lt Green/Wht	18

HDP26-18-6SN-C030			
PIN		Wire Color	Gauge
3	Grid Heater Power	Red	6
4	Grid Heater Power	Red	6



Computer Box Power Supply			
DTP06-4S			
PIN		Wire Color	Gauge
1	Ground #1	Black	14
2	Power	Red/Black	14
3			
4			



Dosing Supply Module (DEF Pump)			
2-1418390-1 Kit 900314			
PIN		Wire Color	Gauge
1	DEF Pump Motor Speed Signal	White/Black	18
2	Power	Orange/Black	18
3	DEF Pump Motor Speed Control Signal	Yellow/Black	18
4	DEF Pump Motor Relay Return	Purple	18

DEF Tank Heat Valve			
Kit 900312			
PIN		Wire Color	Gauge
1	DEF Tank Heater Relay Return	Lt Blue	18
2			
3			
4	DEF Tank Heater Valve	Green/White	18

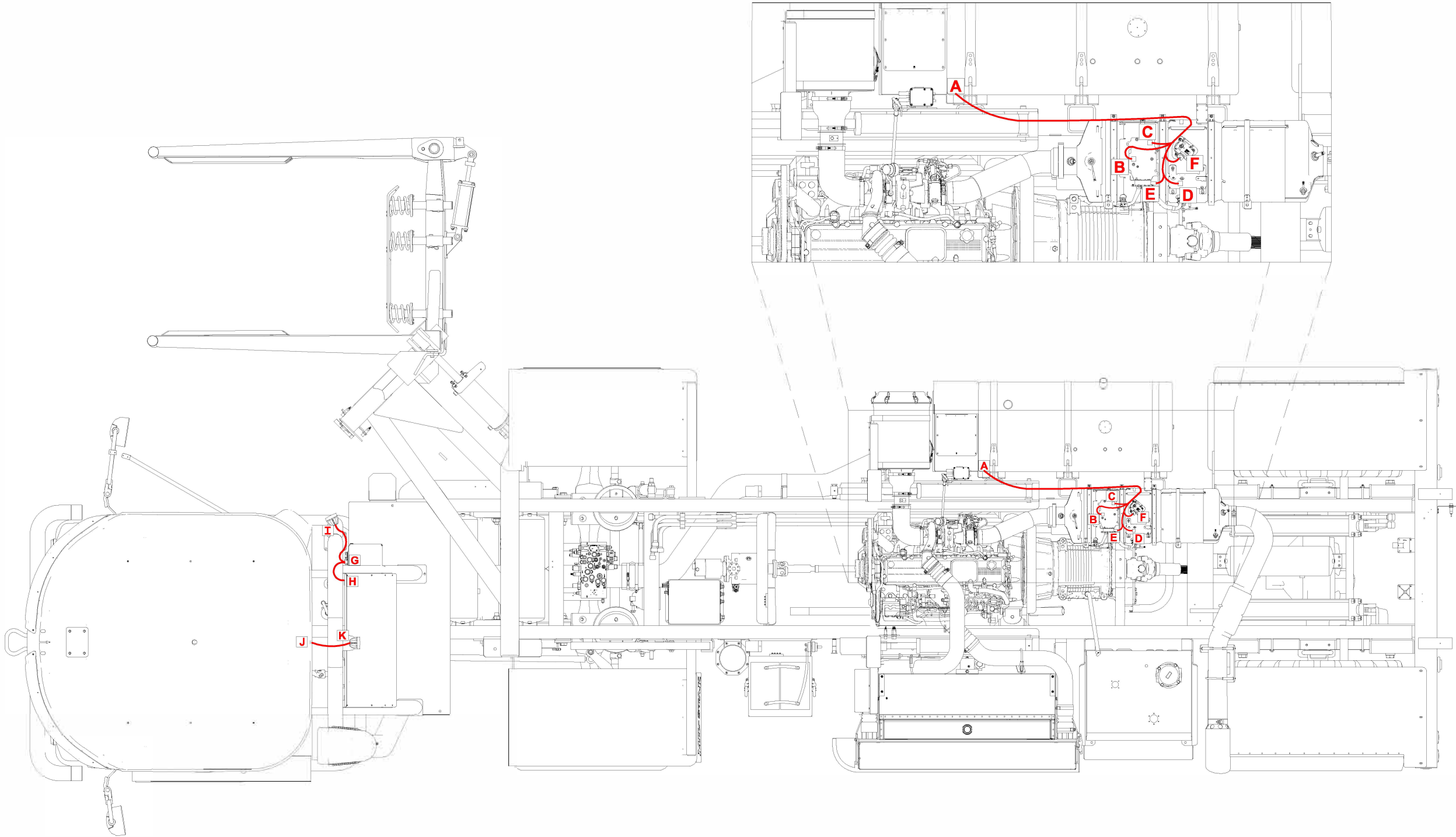
DEF Heater 1: Pressure Line			
DT06-2S			
PIN		Wire Color	Gauge
1	Return	Black/White	18
2	DEF Line Heater Diagnostic 1	Gray/White	18

DEF Heater 2: Backflow Line			
DT06-2S			
PIN		Wire Color	Gauge
1	Return	Black/White	18
2	DEF Line Heater Diagnostic 2	Pink/White	18

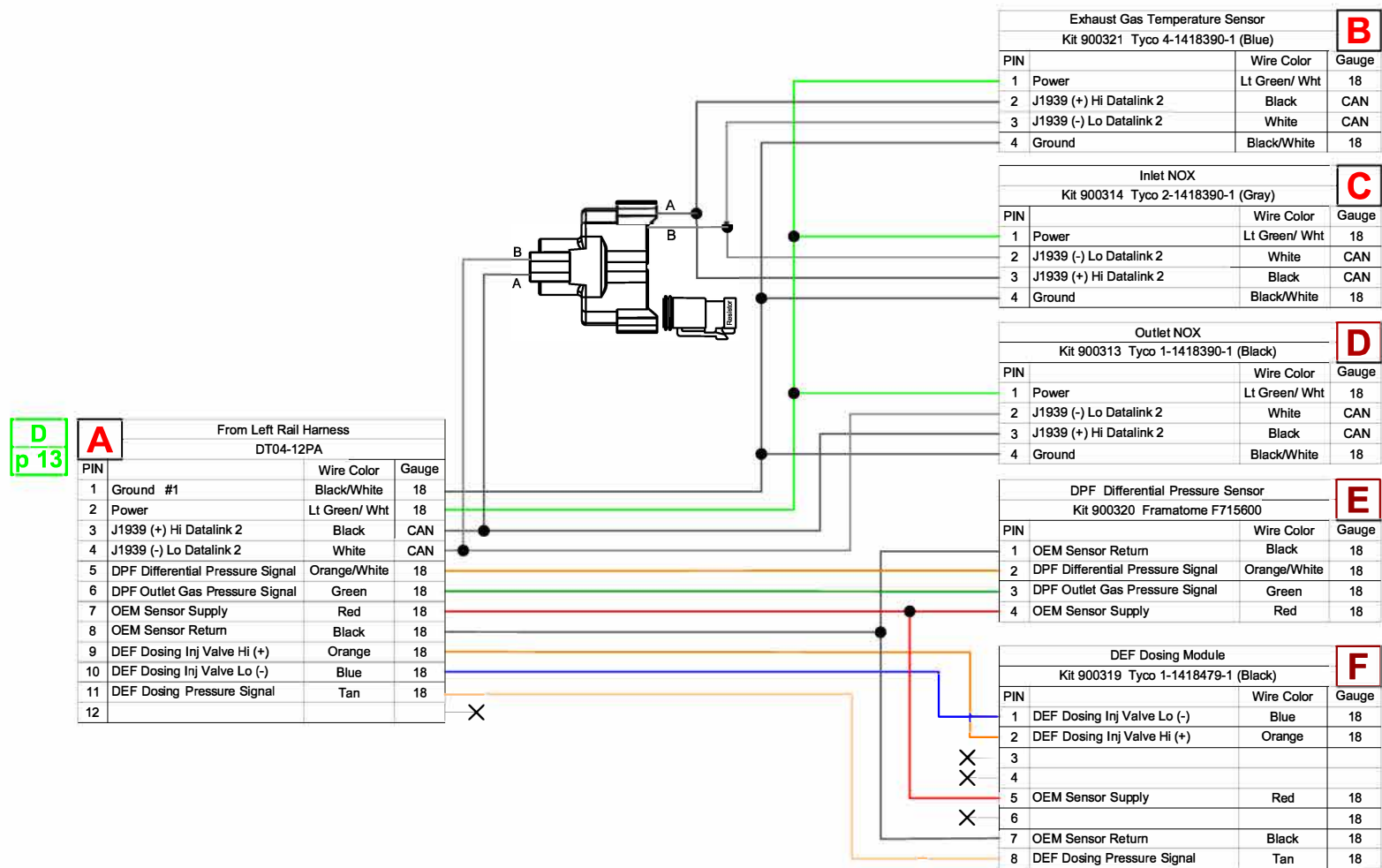
DEF Heater 3: Suction Line			
DT06-2S			
PIN		Wire Color	Gauge
1	Return	Black/White	18
2	DEF Line Heater Diagnostic 3	Green/White	18

DEF Tank			
DT06-4S			
PIN		Wire Color	Gauge
1	J1939 Datalink 2 (-) Lo	White	CAN
2	J1939 Datalink 2 (+) Hi	Black	CAN
3	Ground #1	Black/White	18
4	Power	Lt Green/Wht	18

Aftertreatment Harness, AC & Clamp Worklight Harness, Table Work Light Harness - SP/3255



Aftertreatment Harness



DTAC - A/C Condenser and Clamp Work Light

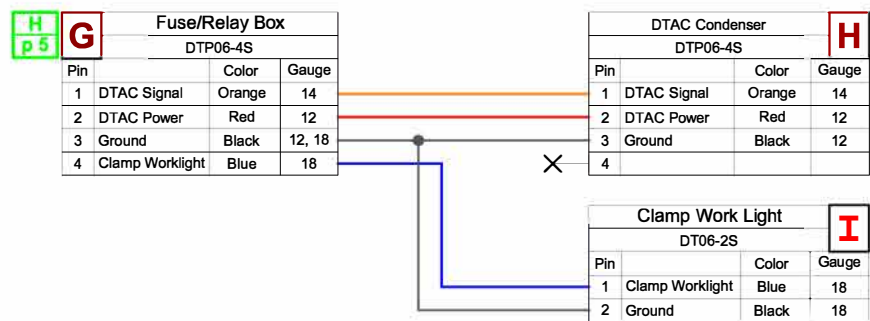
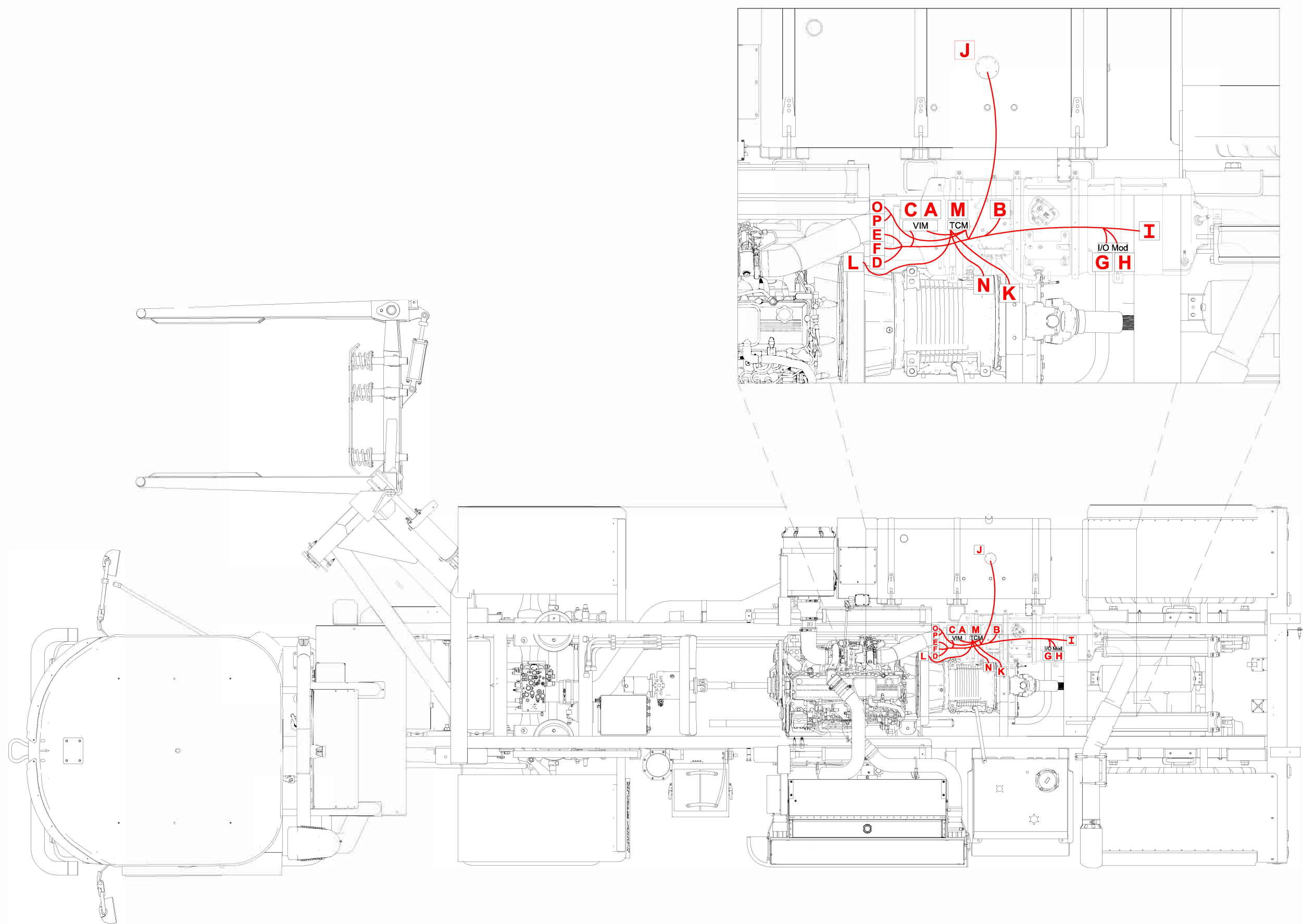


Table Work Light



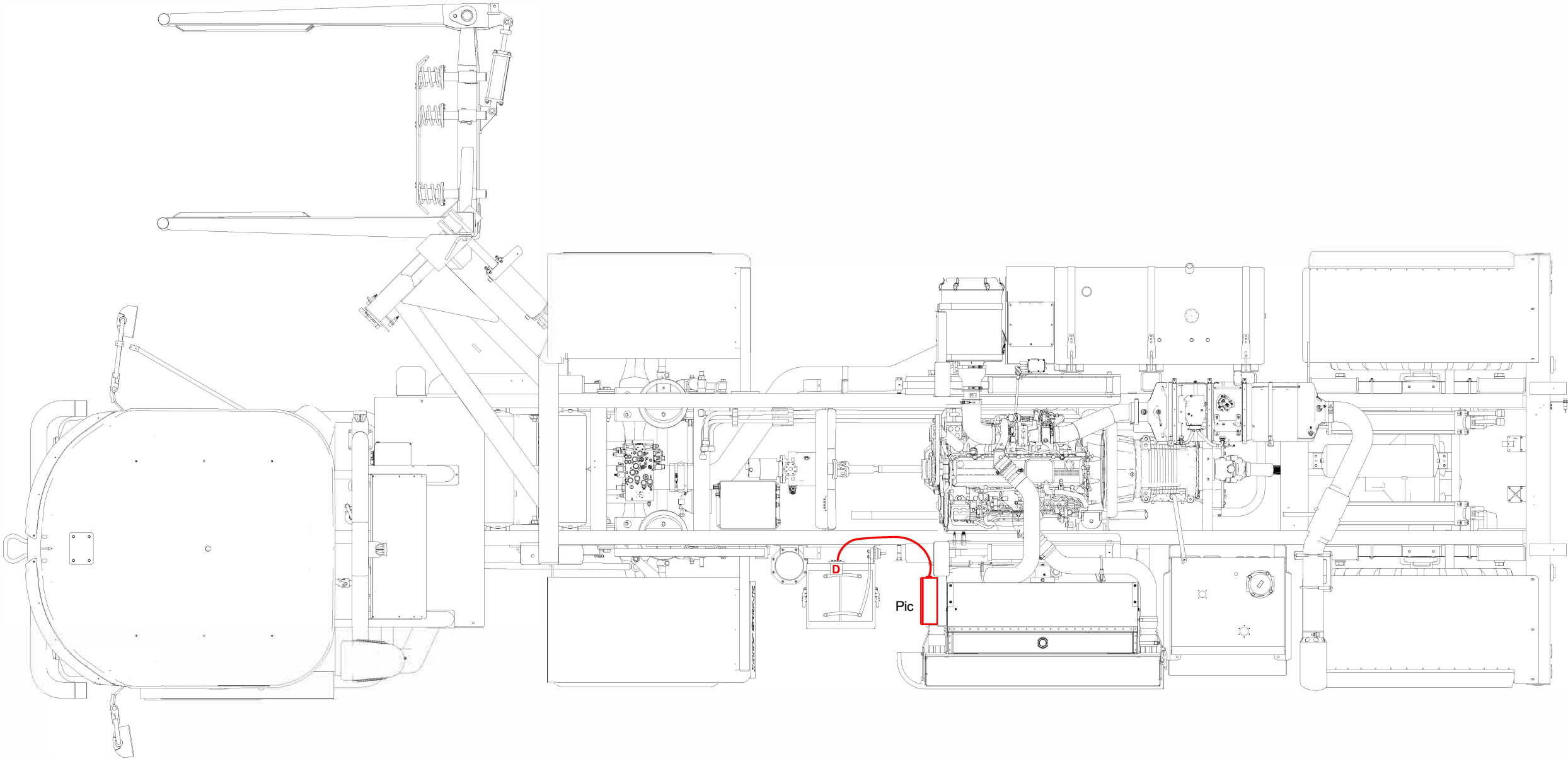
Transmission Harness - SP/3255



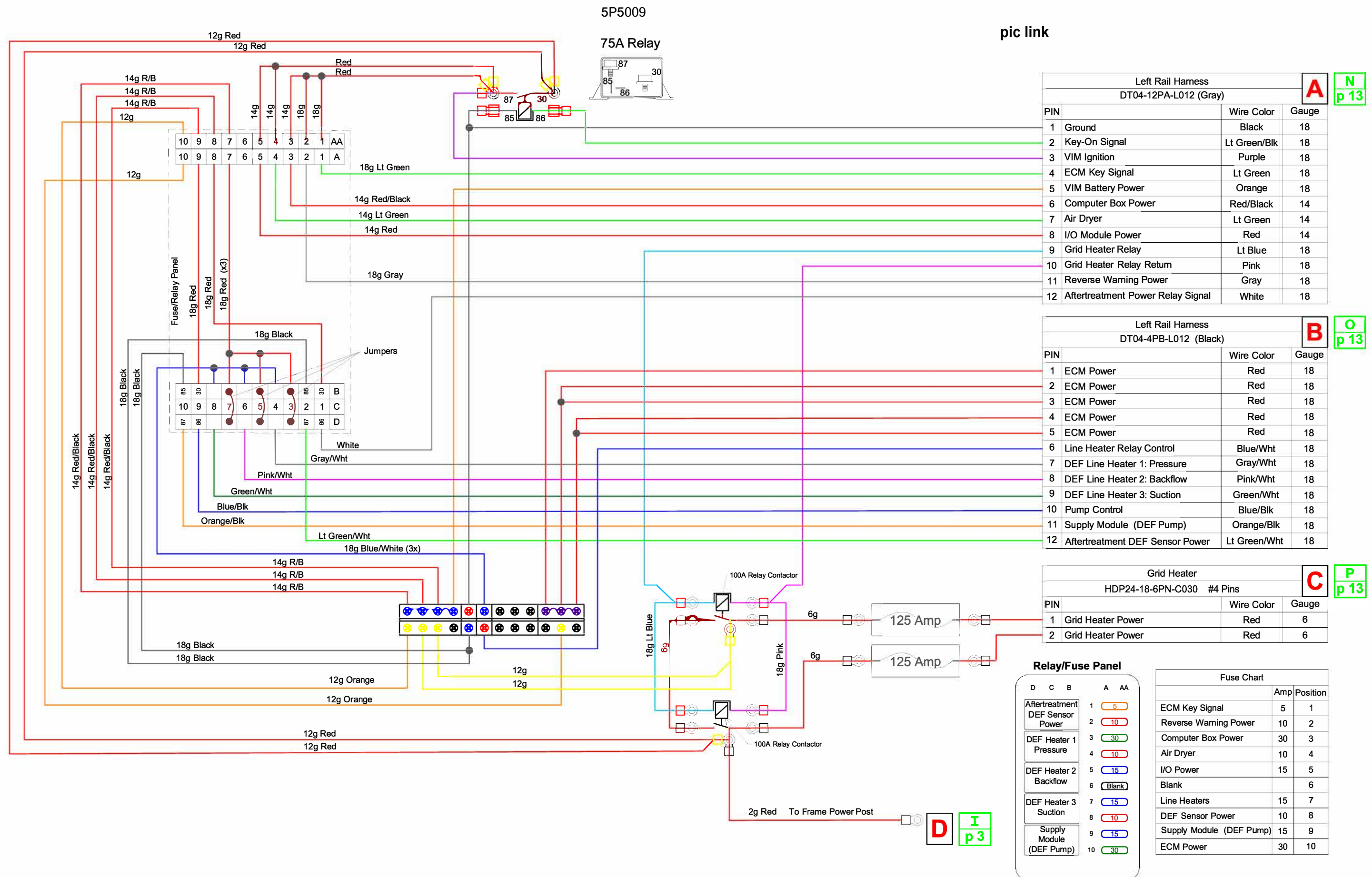
Transmission - SP/3255



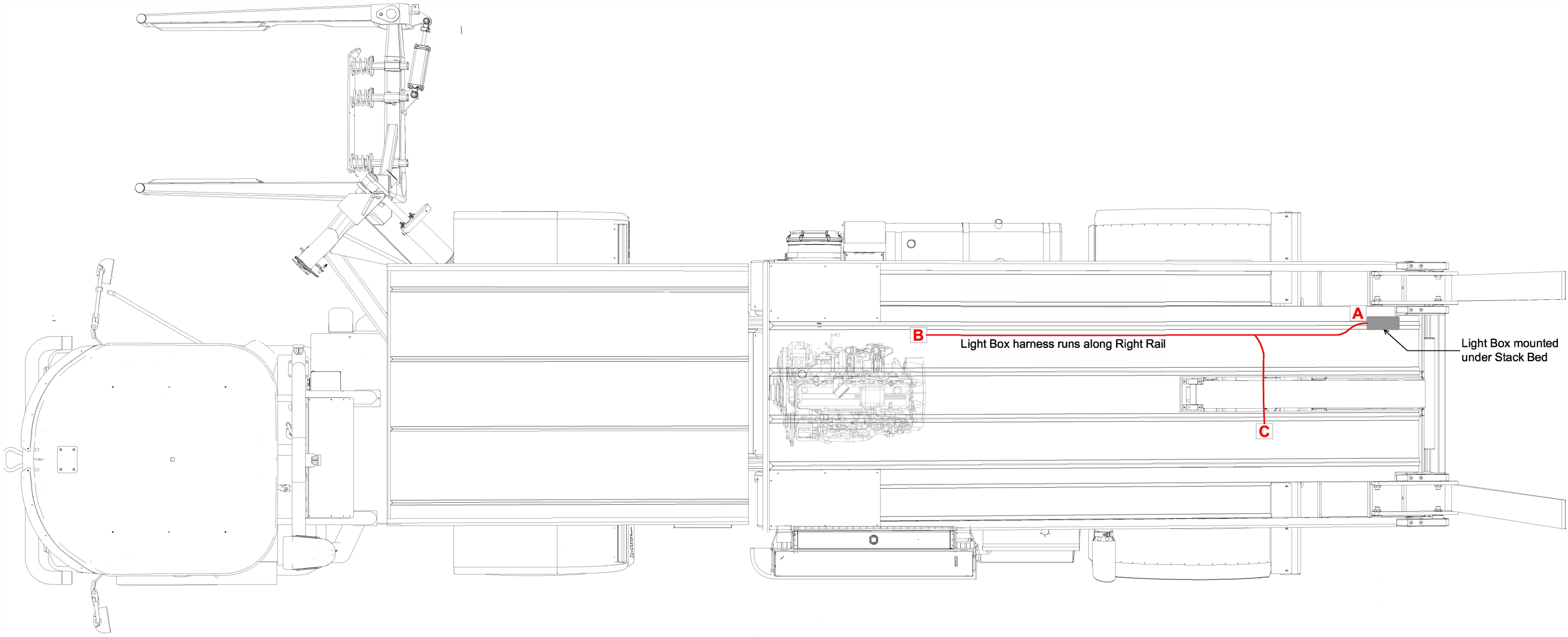
Power Distribution Box - SP/3255

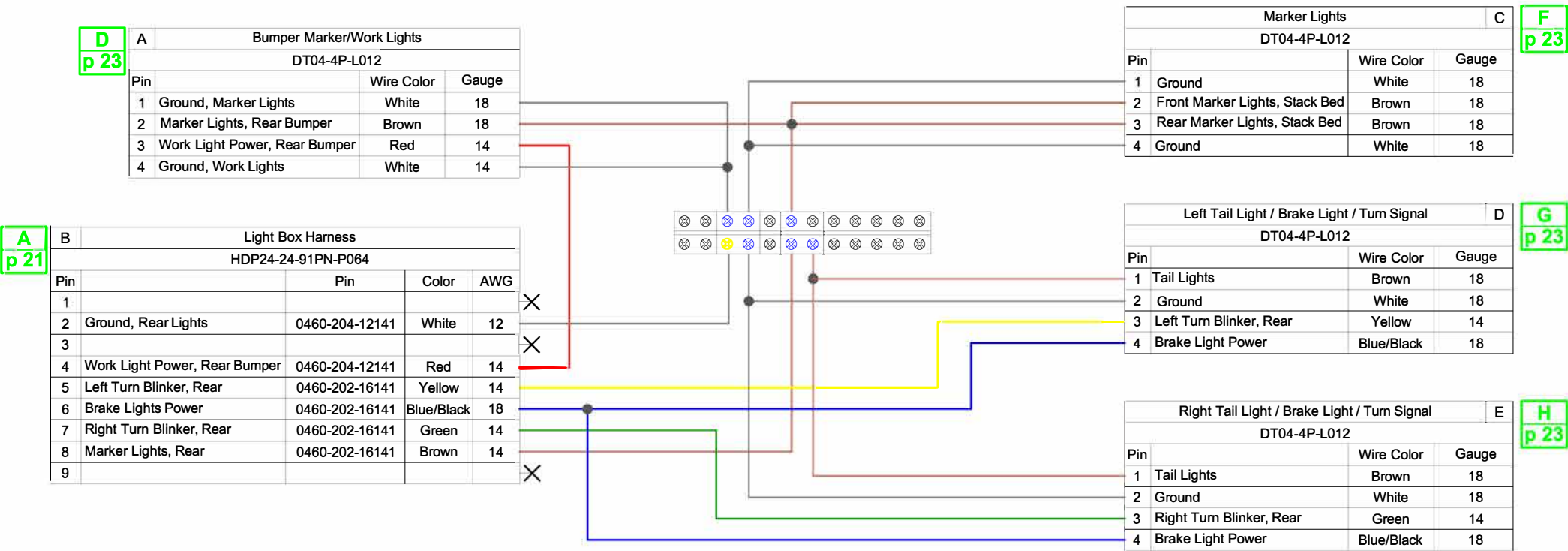
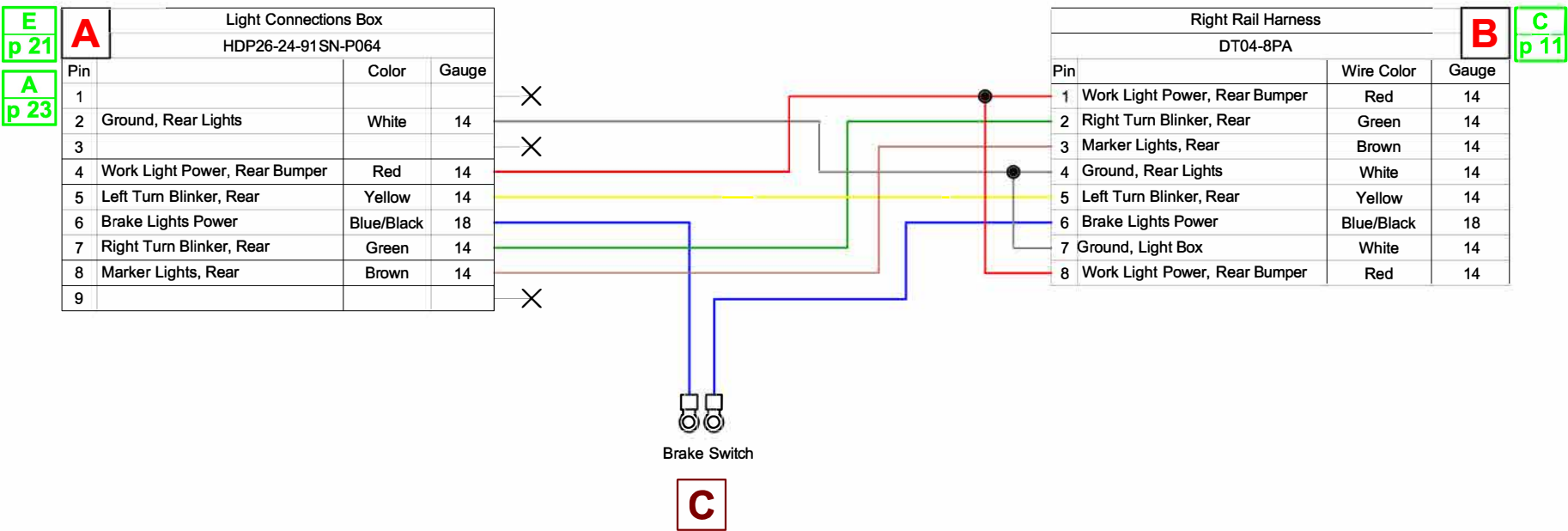


Power Distribution Box - SP/3255



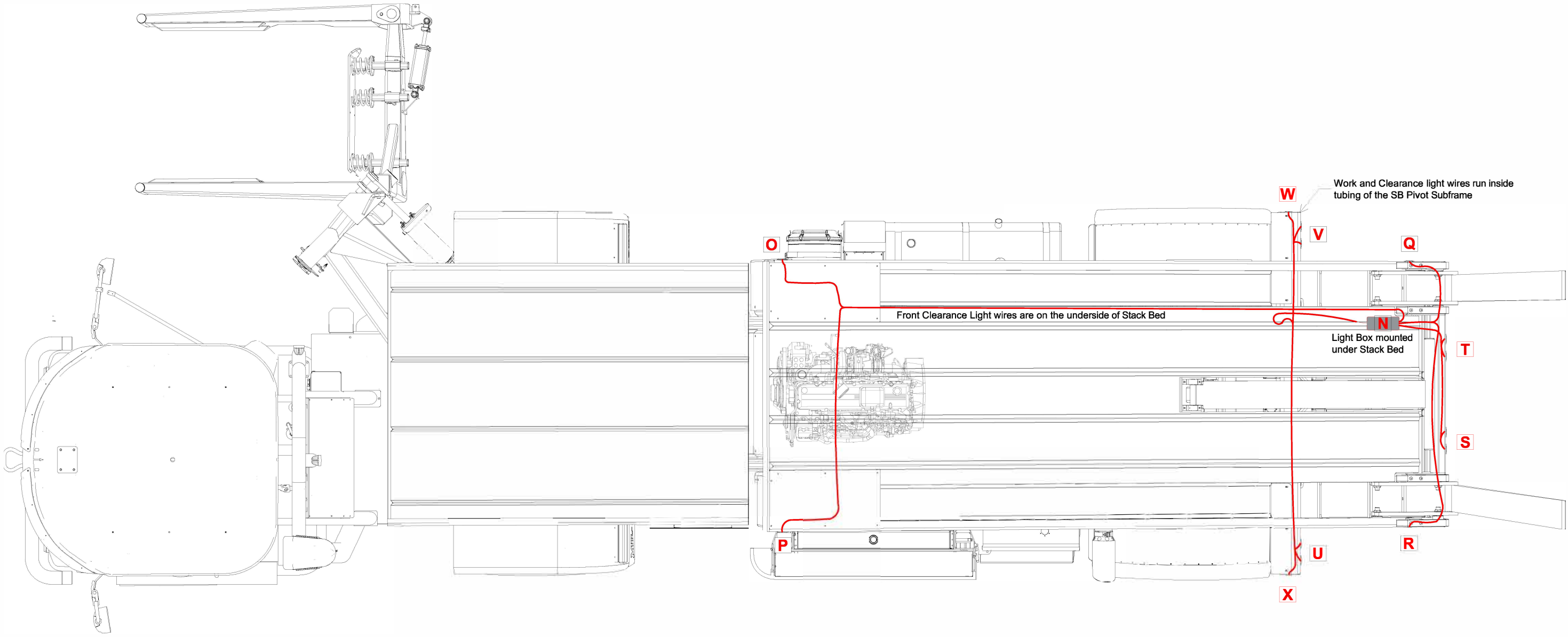
Light Box Harness - SP/3255

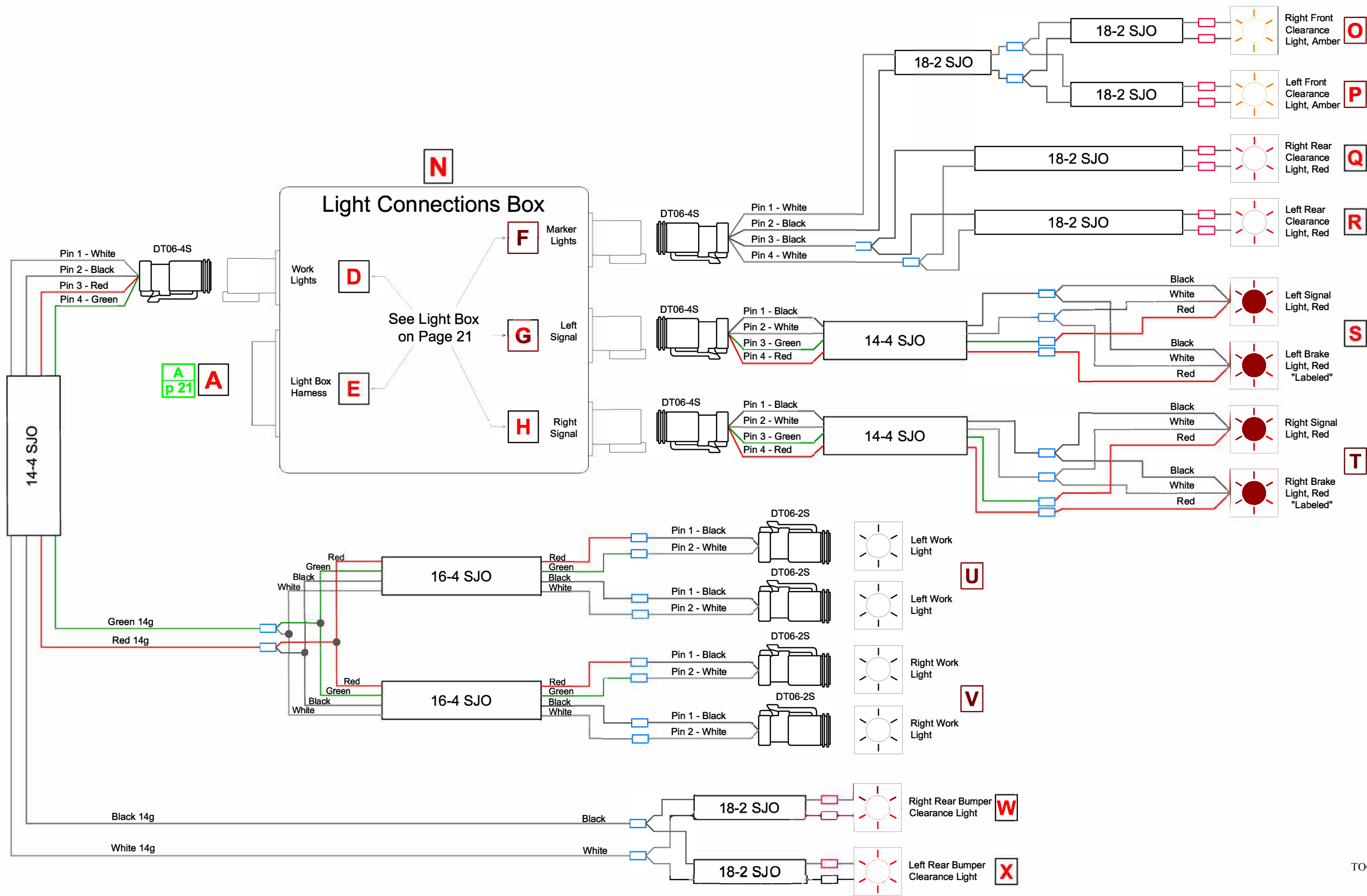




See Light Connections Box Drawing on page 23

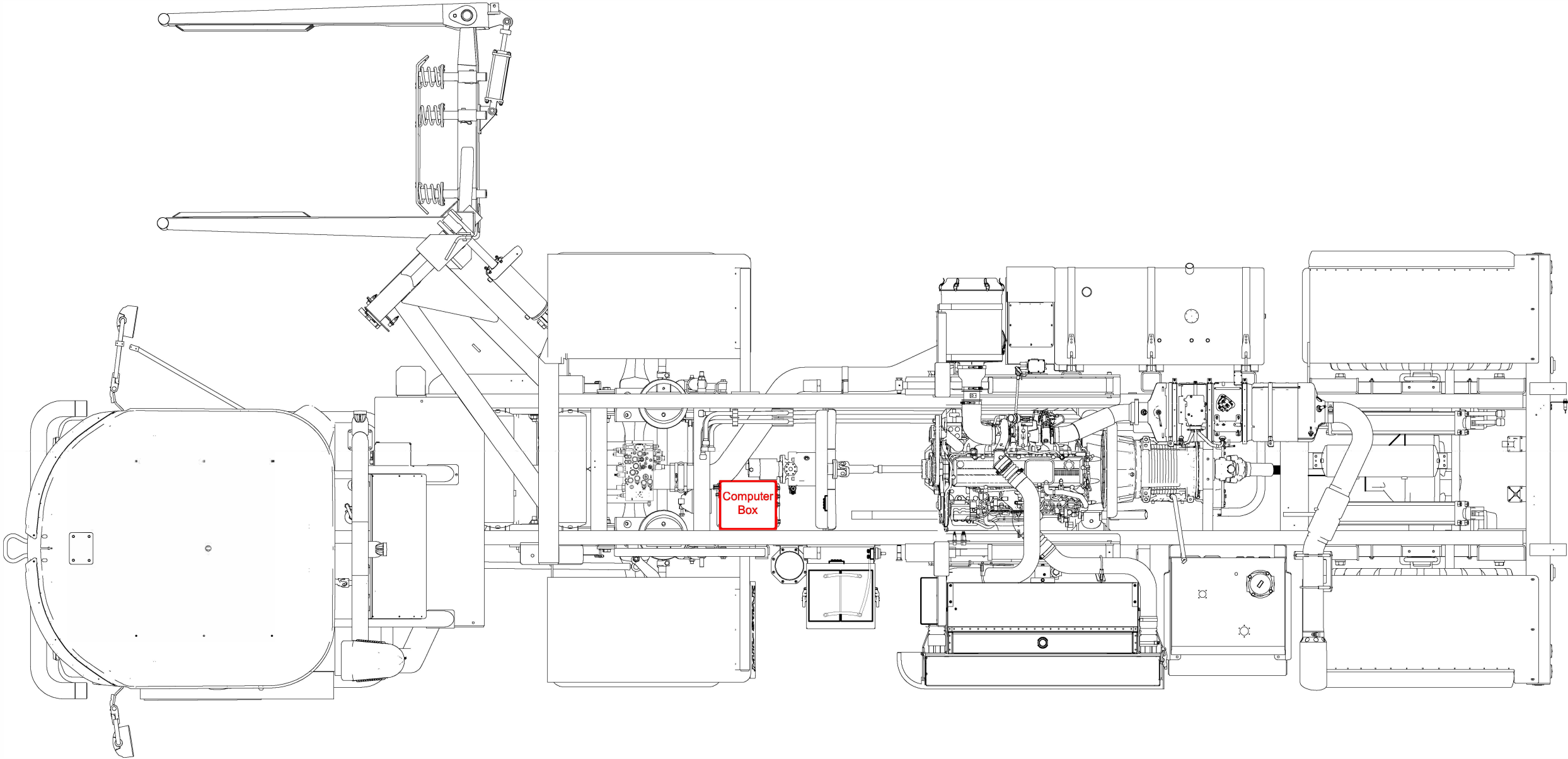
Trailer Lights - SP/3255



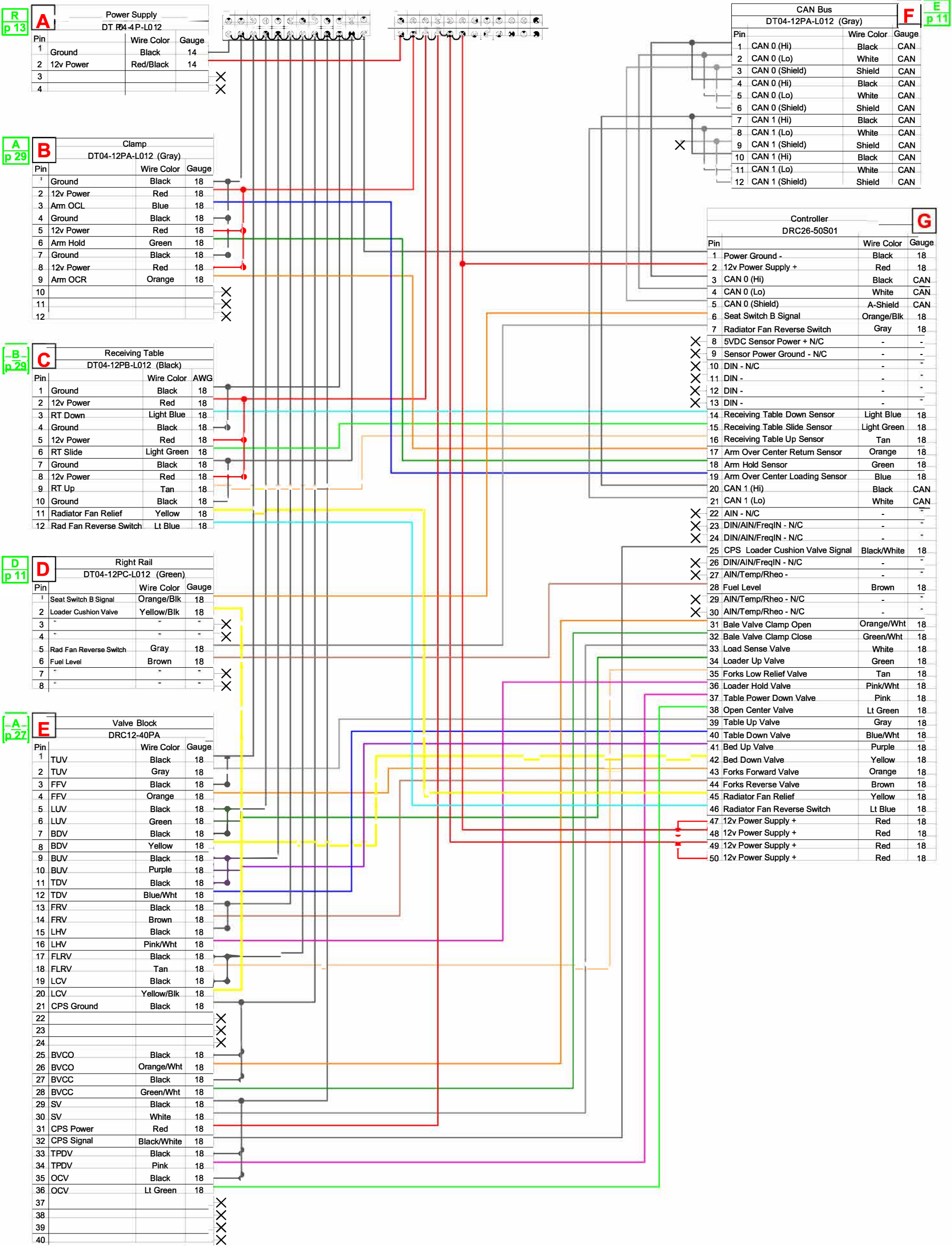


TOC

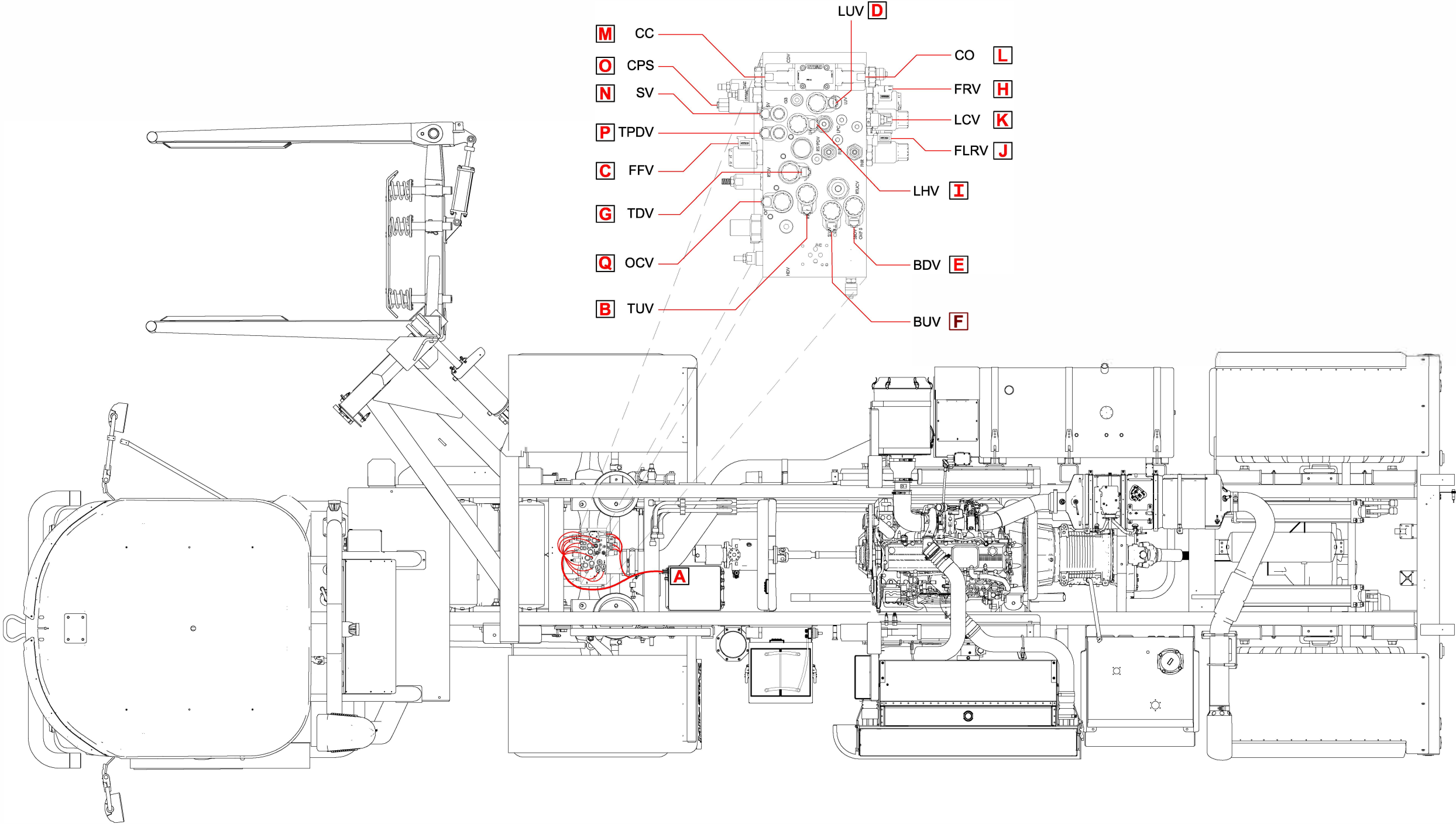
Computer Box - SP/3255



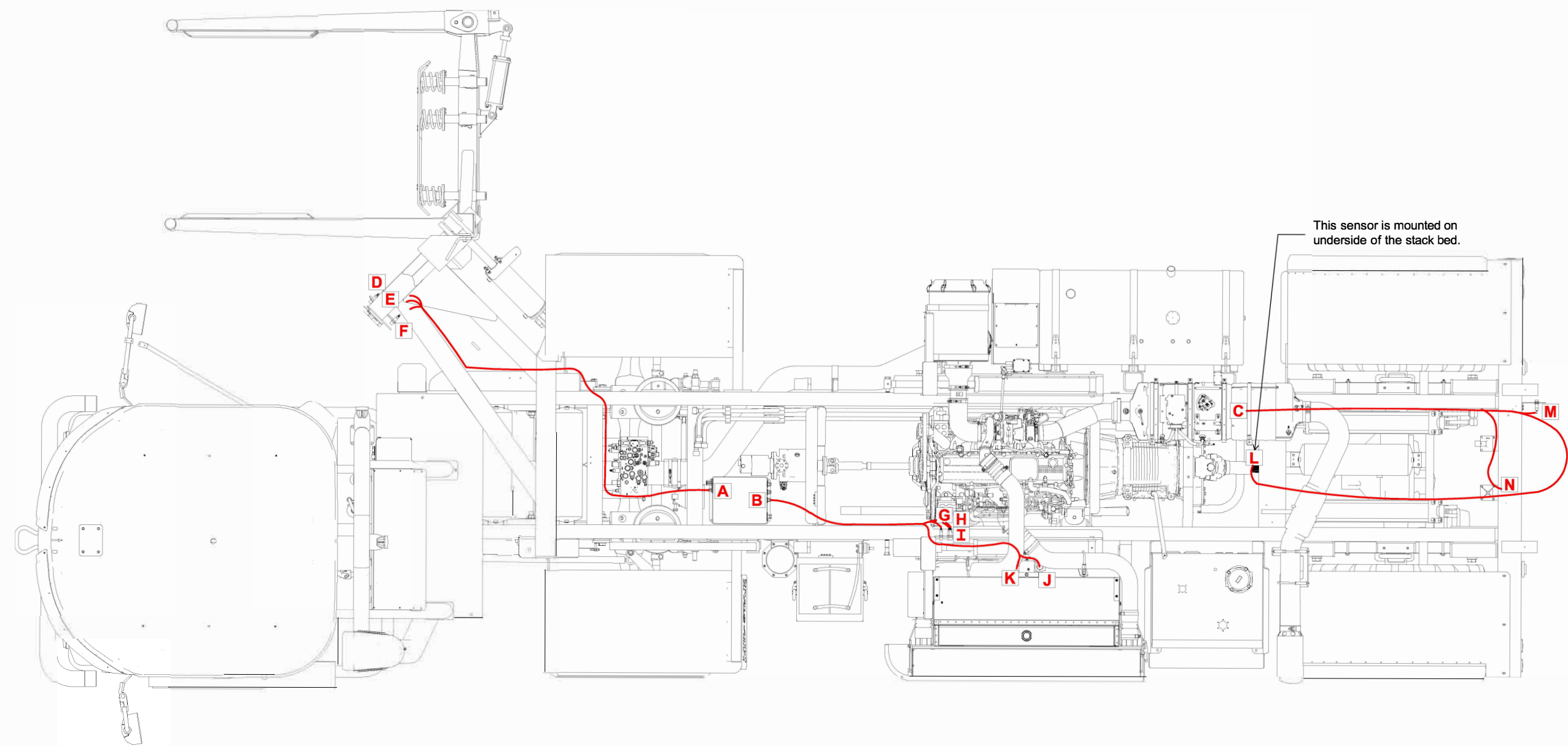
Computer Box - SP/3255



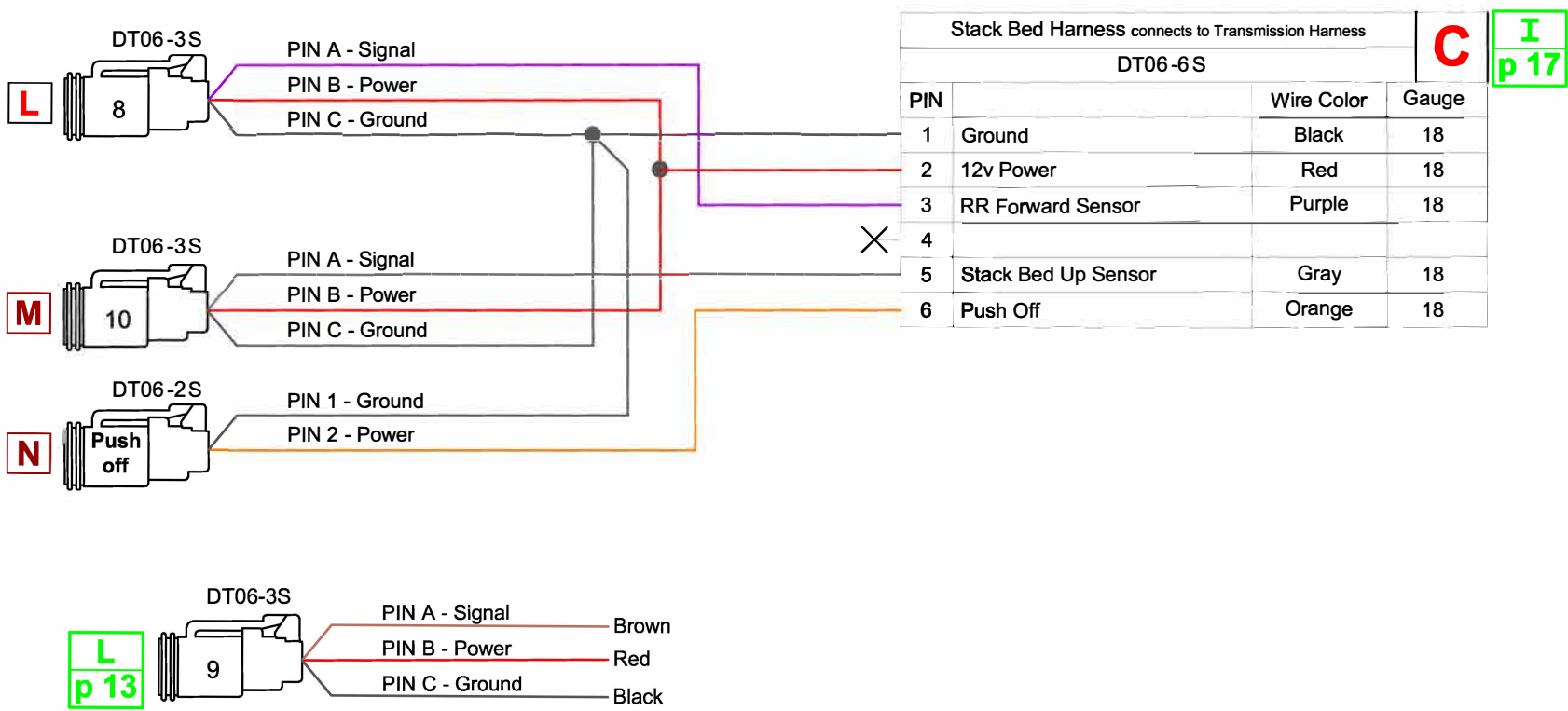
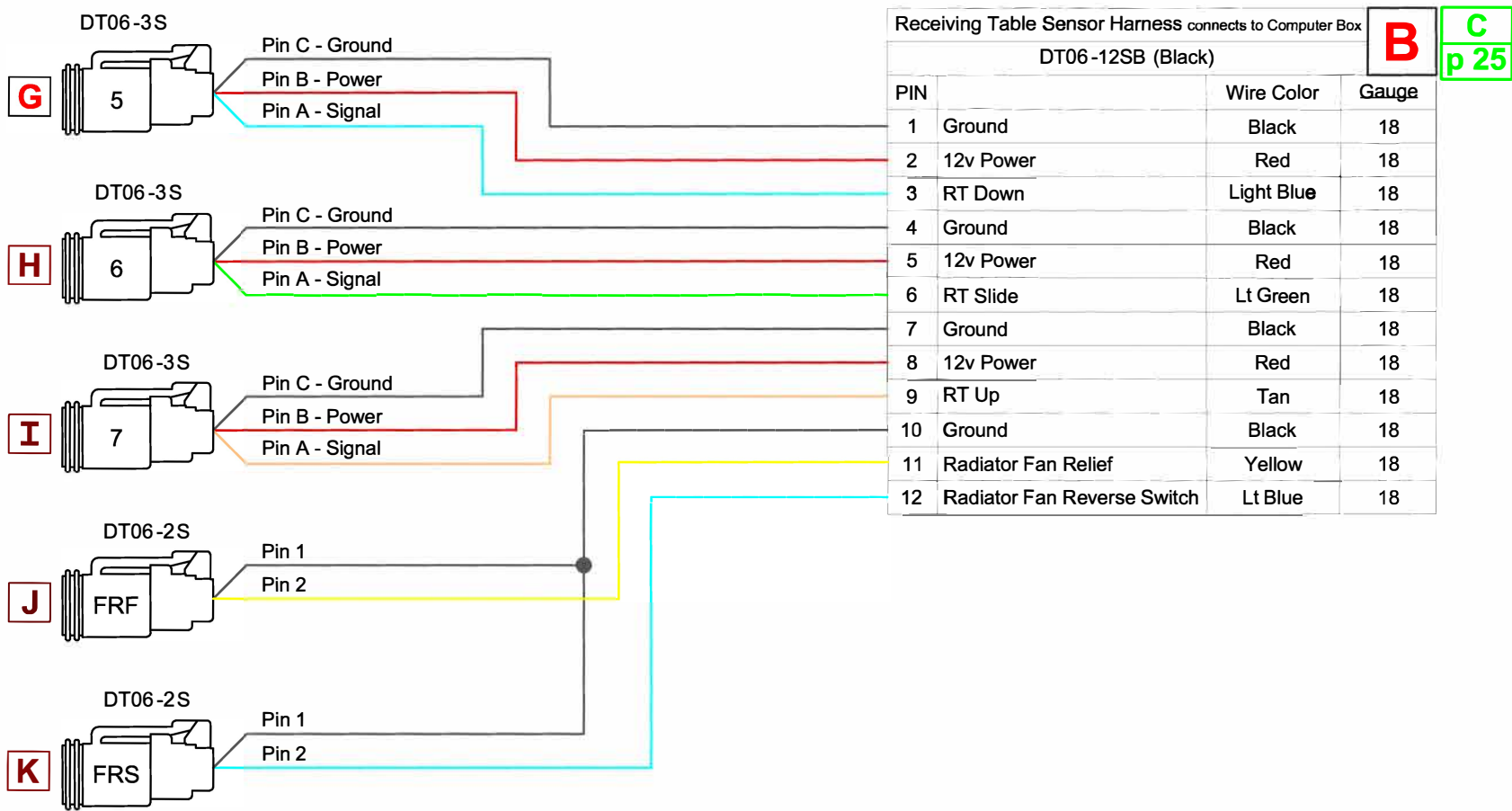
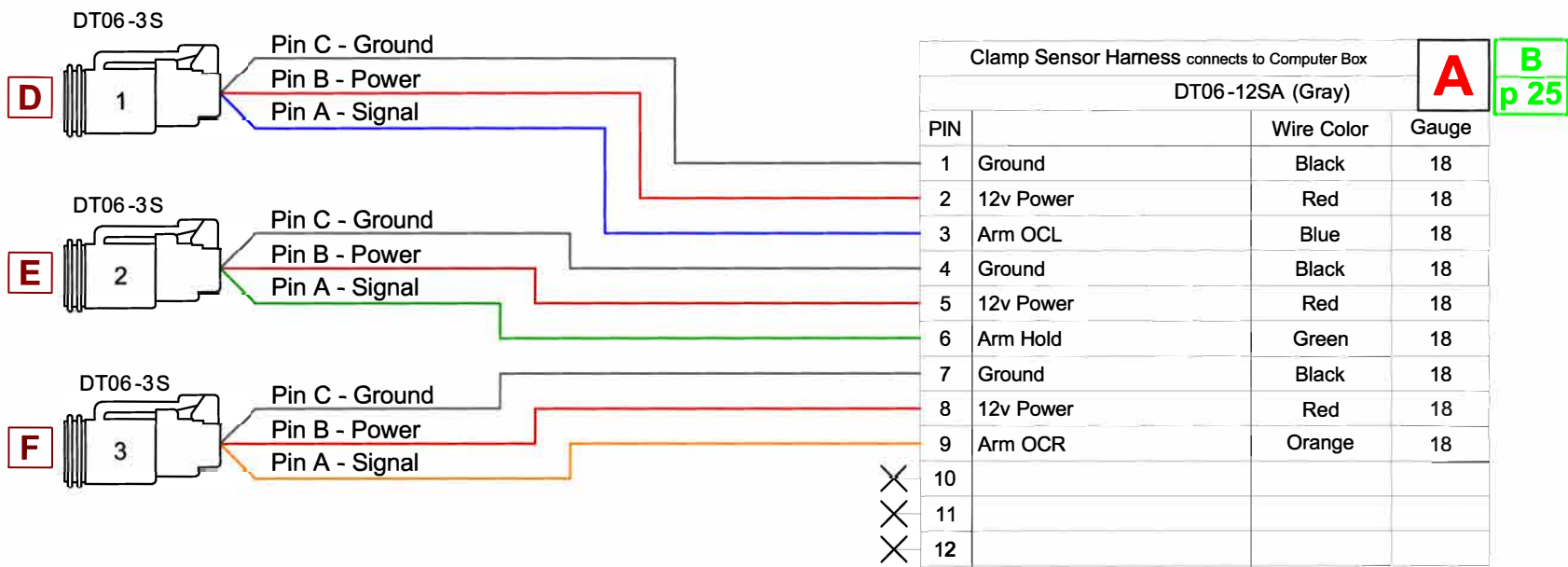
Valve Block Harness - SP/3255



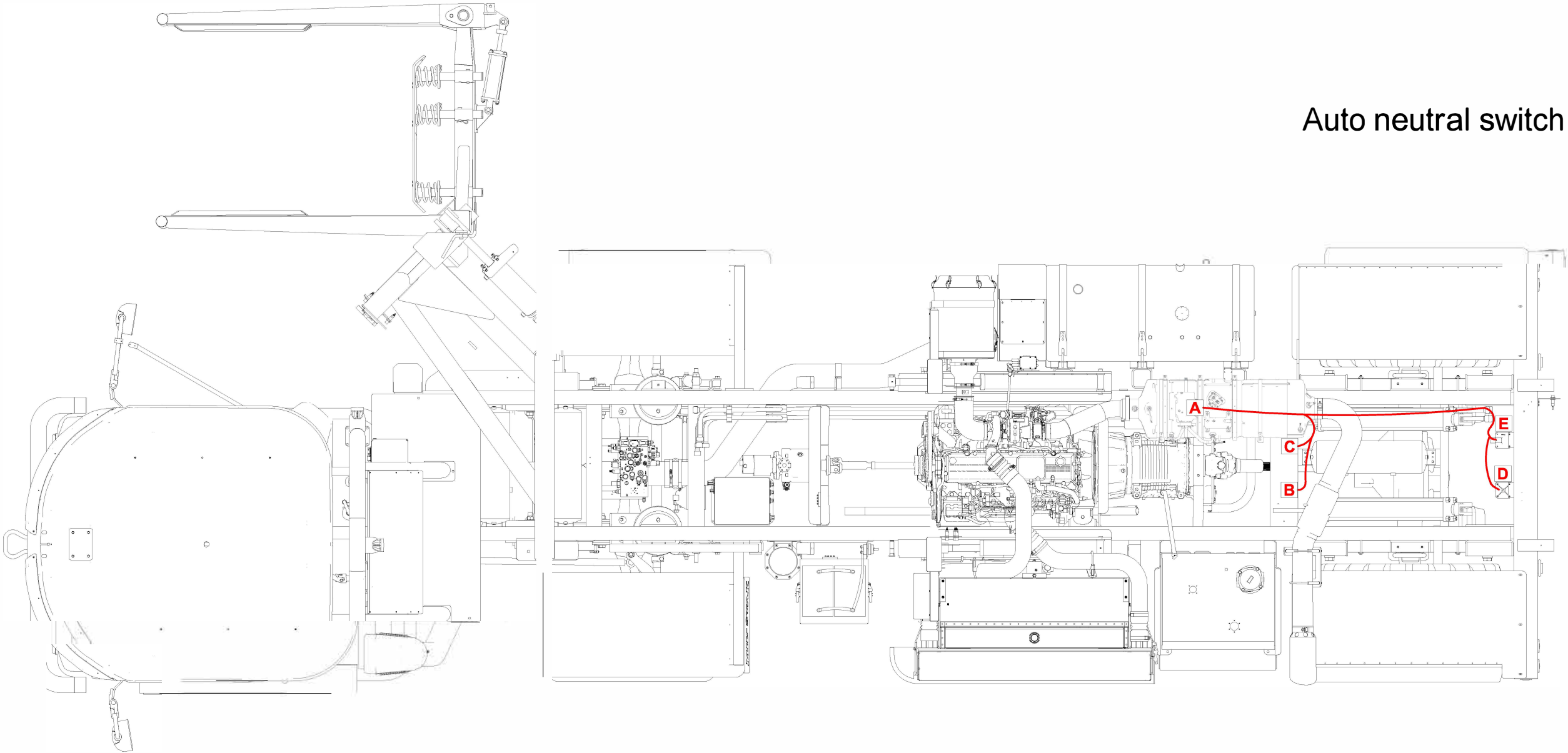
Sensor Harnesses - SP/3255

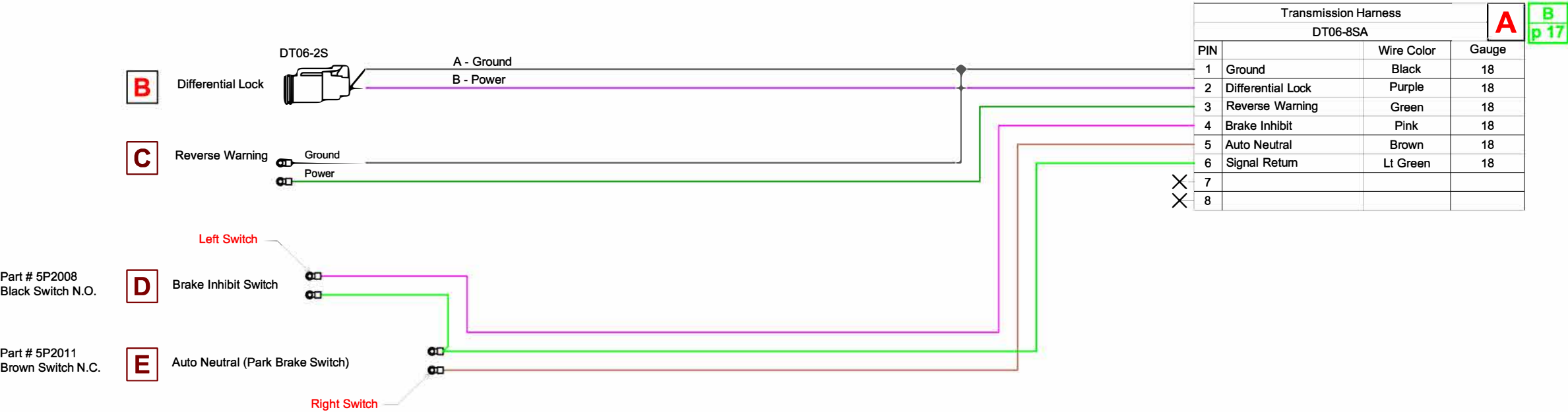


Sensor Harnesses - SP/3255



Stack Bed Down sensor (#9) is in the left rail harness - page 13.

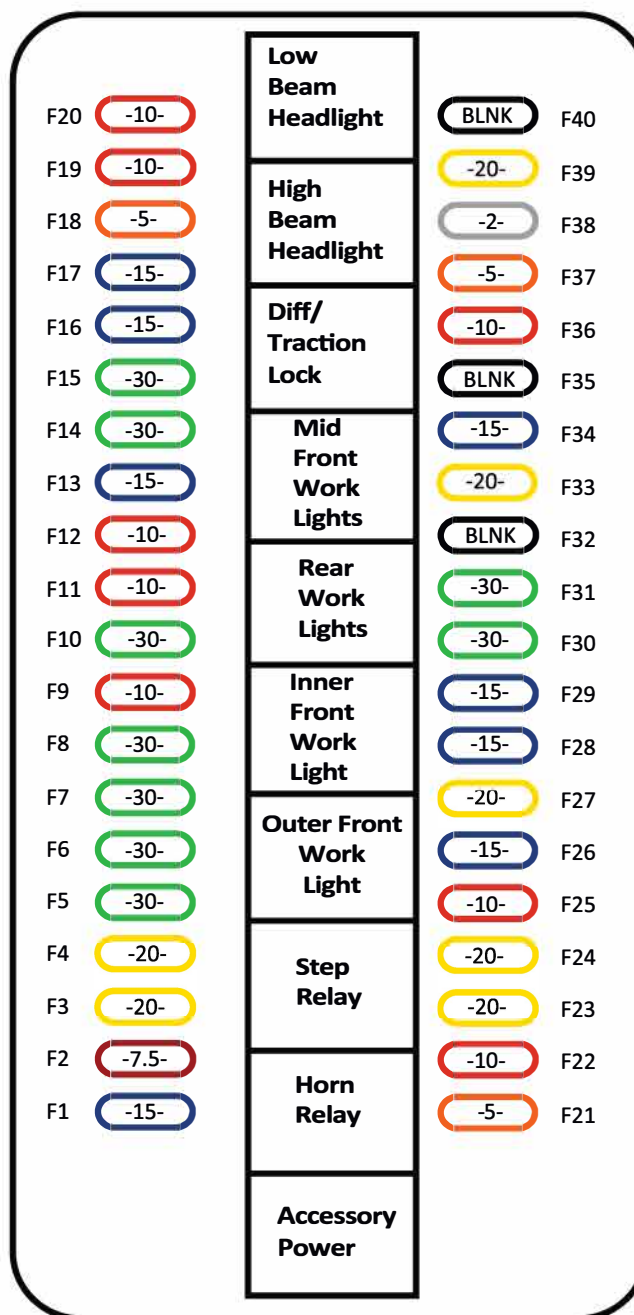
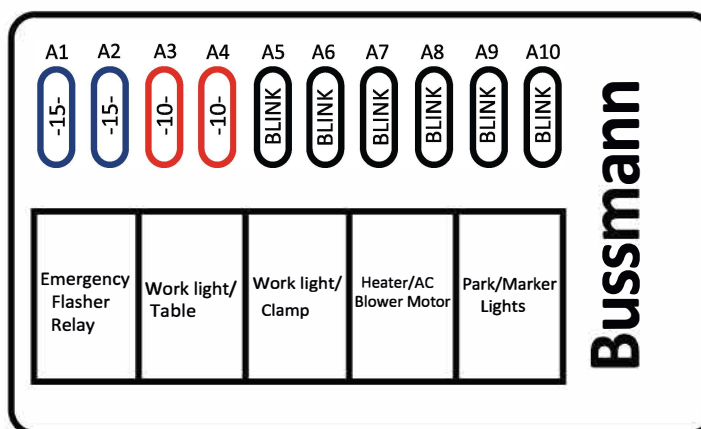




Auto neutral switch

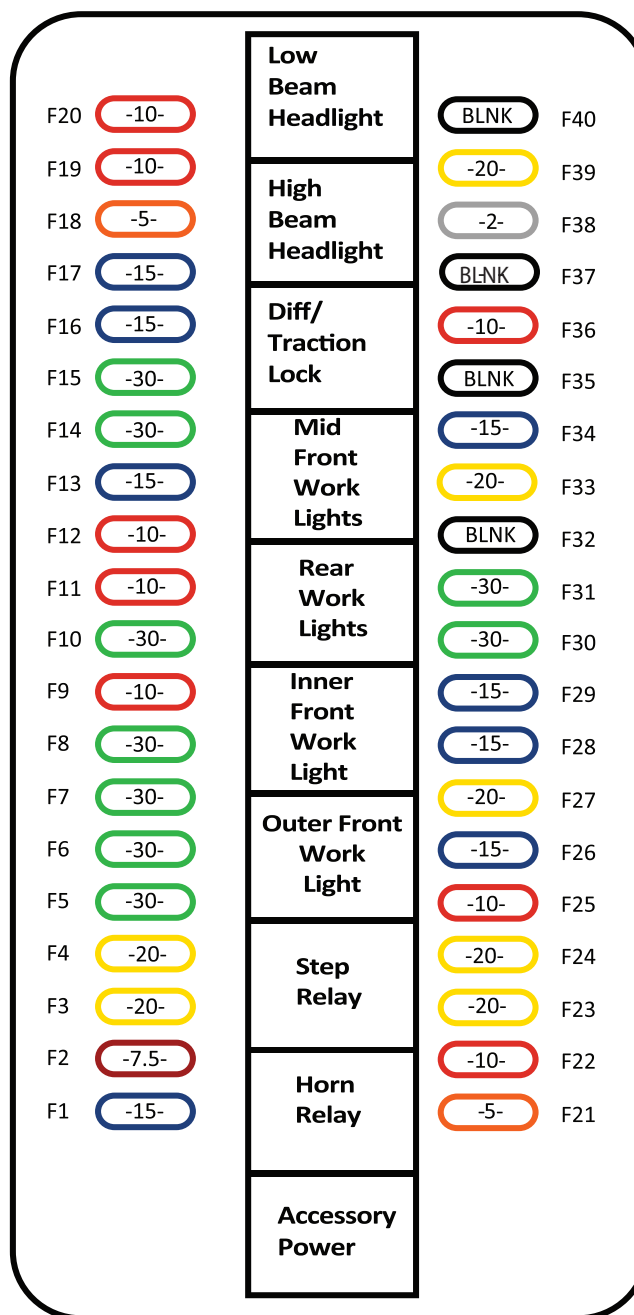
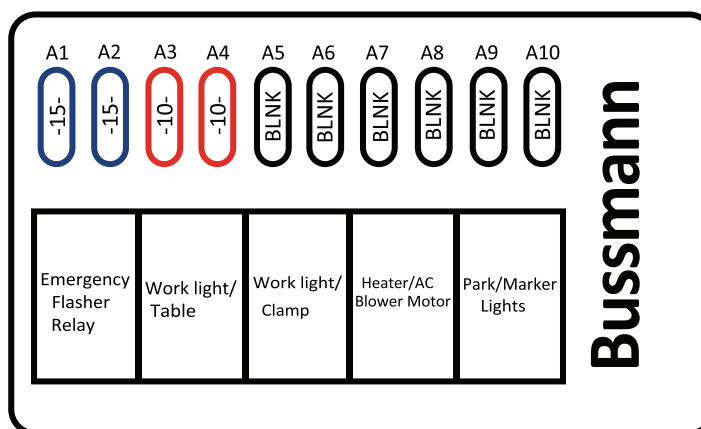
SP210485 and Earlier

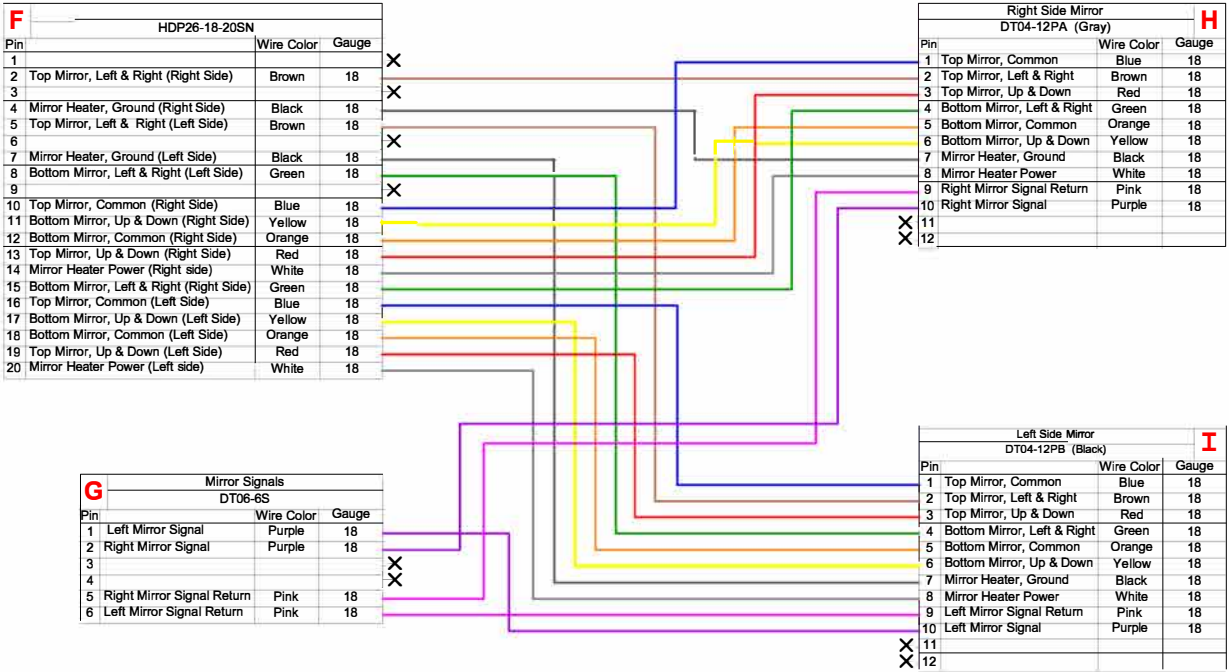
A1	Radio Accessory
A2	Radio 2 Accessory
A3	12v Power 1
A4	12v Power 2
A5	Blank
A6	Blank
A7	Blank
A8	Blank
A9	Blank
A10	Blank
F1	Seat Power
F2	Dome Light & Scale
F3	Console Aux Power
F4	Storage Aux Power
F5	12 v Power 1 Constant
F6	12 v Power 2 Constant
F7	12 v Power 3 Constant
F8	12 v Power 4 Constant
F9	Work Light/Inner Front
F10	AC Condenser
F11	Park/Marker Light
F12	Flasher/Signal
F13	Ignition Power
F14	High Beam
F15	Low Beam
F16	High Beam Flash
F17	Console/Display
F18	Brake Light
F19	Work Light/Clamp
F20	Work Light/Table
F21	Horn
F22	Step Control
F23	Heater/AC Blower
F24	Work Light/Outer Front
F25	Auto Lube
F26	Work Light/Rear
F27	Work Light/Center Front
F28	Differential Lock
F29	Indicator Power
F30	Cabin Pressure
F31	Cab Switches
F32	Blank
F33	Wiper
F34	Console/Display
F35	Blank
F36	Operator Seat Switch
F37	Step Switch
F38	Scale, Keyed
F39	External Accs., Keyed
F40	Blank



SP210589 and Later

A1	Radio Accessory
A2	Radio 2 Accessory
A3	12v Power 1
A4	12v Power 2
A5	Blank
A6	Blank
A7	Blank
A8	Blank
A9	Blank
A10	Blank
F1	Seat Power
F2	Dome Light & Scale
F3	Console Aux Power
F4	Storage Aux Power
F5	12 v Power 1 Constant
F6	12 v Power 2 Constant
F7	12 v Power 3 Constant
F8	12 v Power 4 Constant
F9	Work Light/Inner Front
F10	AC Condenser
F11	Park/Marker Light
F12	Flasher/Signal
F13	Ignition Power
F14	High Beam
F15	Low Beam
F16	High Beam Flash
F17	Console/Display
F18	Brake Light
F19	Work Light/Clamp
F20	Work Light/Table
F21	Horn
F22	Step Control
F23	Heater/AC Blower
F24	Work Light/Outer Front
F25	Auto Lube
F26	Work Light/Rear
F27	Work Light/Center Front
F28	Differential Lock
F29	Indicator Power
F30	Cabin Pressure
F31	Cab Switches
F32	Blank
F33	Wiper
F34	Console/Display
F35	Blank
F36	Operator Seat Switch
F37	Blank
F38	Scale, Keyed
F39	External ACC, Keyed
F40	Blank



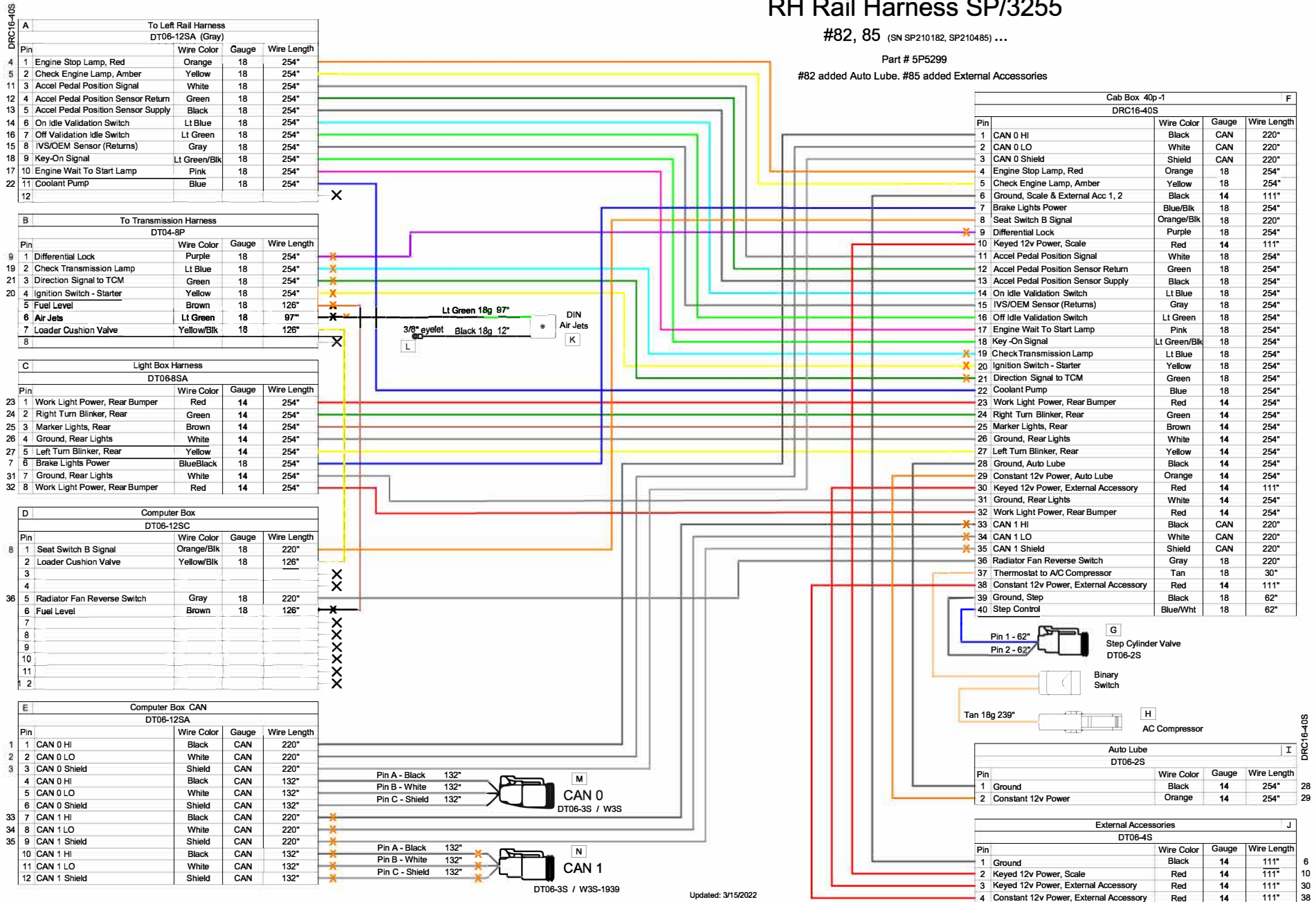


RH Rail Harness SP/3255

#82, 85 (SN SP210182, SP210485) ...

Part # 5P5299

#82 added Auto Lube. #85 added External Accessories



Updated: 3/15/2022