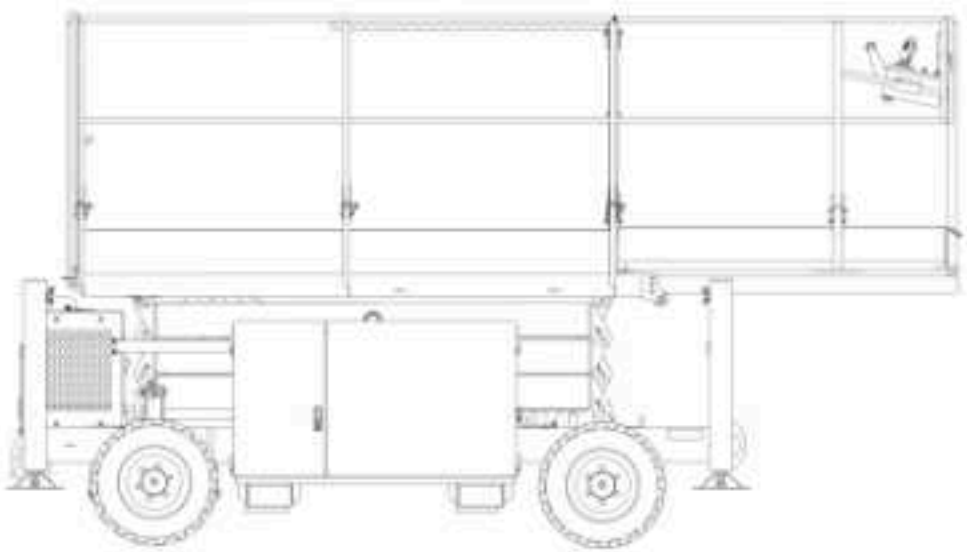
snorkel

S2755BE
S2255BE
S2755RT
S2255RT



Diesel
Bi-Energy 24V DC

REPAIR PARTS MANUAL

Serial Numbers:
S2255RT-07-000100
S2755RT-07-000100 and after

Part Number 14047-2
November 2017 (Rev B)
Version V

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Item	Part No.	Name	Qty	Uom
1	13814	Decal, Engine Fuse/Relays	1	EA
2	501453-000	DECAL, FOOT TRAP	4	EA
3	969249	DECAL, STRIPE YE/BLK 2"	4m	A/R
4	12833-4	Decal, Serial Number Plate	1	EA
5	13111	Decal, Pinch Point, Small	4	EA
6	13903-16	DECAL, S2255BE, 88MM HIGH	2	EA
6	13903-17	Decal, S2755BE	2	EA
7	12699-1	Decal, Rated load S2255RT	1	EA
7	12699-8	Decal, Rated Load S2755RT	1	EA
8	007-3298	Decal, Machine Tip Over Hazard	1	EA
9	45198-6	Decal, Limit Switch Sign	1	EA
10	476706	Decal, Danger Explosive Fumes	2	EA
11	12574	Decal, Safety Checklist	1	EA
12	511099-000	Decal, Snorkel 150mm High	2	EA
13	13839-01	Decal, Lower Control Box	1	EA
14	13838-01	Decal, Upper Control Box	1	EA
15	511101-000	Decal, Snorkel	3	EA
16	605726	Decal, Diesel Fuel Only	1	EA
17	12753	Decal, Emergency Bleed Down	1	EA
18	12814	Decal, Hydraulic Fluid	1	EA
19	583656	Decal, Safety Prop Use	1	EA
20	969249	DECAL, STRIPE YE/BLK 2"	3.6m	A/R
21	300699	DECAL, OPERATORS CHECKLIST	1	EA
22	032-3897	Decal, Must not Operate	1	EA
23	621486	Decal, Forklift	4	EA
24	302950	Decal, Hydraulic Oil Level Max/Min	1	EA
25	300700	DECAL, DNGR SHEARING/CRUSHING	4	EA
26	3601-1	Decal, Emergency Operation	1	EA

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Item	Part No.	Name	Qty	Uom
0	13811-02	ANSI Diesel Lower Control Box		EA
1	562326	Relay	2	EA
2	2065-002	Plug In Relay Base	2	EA
3	510588-004	Washer, SteelFlatWasher DIN125C M4 ZincPlated	24	EA
4	FLWM0510CZ	WASHER FLAT M5 10.9 C	4	EA
5	3604-04012	Pan Head Screw	6	EA
6	3604-04025	Pan Head Screw	6	EA
7	510593-012	Pan head screw, M5 x 12 mm	4	EA
8	NL040710CZ	NUT HEX NL M4X0.7 10.9 C	12	EA
9	3628-05	Nutsert M5	4	EA
10	505050-006	M6 x 20mm Socket Button Scre w	4	EA
11	10114	Contact, NO - Telemac ZBE-101	2	EA
12	10118	Contact, NC - Telemec ZBE-102	1	EA
13	12536-3	LED - Green 12V M12	1	EA
14	12914-10	Collar	2	EA
15	12914-12	Push Button - 40mm, Red	1	EA
16	12914-13	Key Switch -1-(2)-3, 455 Key	1	EA
17	13485-05	TRIONICS GP400C	2	EA
18	303017028	TBM 21 500 312 REPLACEMENT BOARD	1	EA
19	13810	Control Box Weld	1	EA
20	13810-5	Contorl Box - Face Panel	1	EA
21	13811-1	Foam Seal	1	EA
22	13839-01	Decal, Lower Control Box	1	EA
23	13926-1008	Screw, T25 - Pan Pozi, ZP	14	EA
24	514345-000	Gasket - EZCal Display	1	EA
25	3020015	SW TGL SPST (ON) OFF SEALED	3	EA
26	3020016	TOGGLE SWITCH ON/OFF/ON	1	EA

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Item	Part No.	Name	Qty	Uom
0	14023-01	Upper Control Box Assembly		EA
1	FLWM0510CZ	WASHER FLAT M5 10.9 C	16	EA
2	3604-05016	Pan Head Screw	4	EA
3	3604-05025	Pan Head Screw	2	EA
4	3605-05	Spring Washer	4	EA
5	3610-05016	Metric Bolt	4	
6	NL050810CZ	NUT HEX NL M5X.8 10.9 C	6	EA
7	10118	Contact, NC - Telemec ZBE-102	2	EA
8	12536-3	LED - Green 12V M12	2	EA
9	12536-4	LED - Red, 12V M12	2	EA
10	12914-10	Collar	1	EA
11	12914-11	E-Stop - 40mm, Pull Release	1	EA
12	515612-000	MATRIX BOARD PG	1	EA
13	13808-01	Control Box Lid - Upper	1	EA
14	13862	Foam Strip	1	EA
15	3028933-001	JOYSTICK CONTROLLER	1	EA
16	14022	Control Box Base, Upper	1	EA
17	3020015	SW TGL SPST (ON) OFF SEALED	3	EA
18	3020016	TOGGLE SWITCH ON/OFF/ON	5	EA
19	3020080	SWITCH TOGGLE SPDT MOM/ON	2	EA
20	3020097	SW TGL DPDT (ON/ON)	1	EA
21	3049861	Plug, HD30, 14 Way	1	EA
22	3049862	14 WAY CONNECTOR DEUTSCH HD34-18-14PN	1	EA

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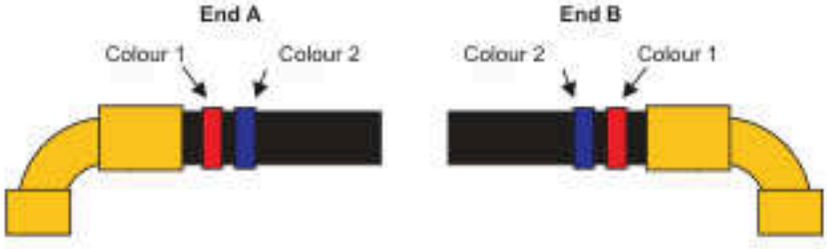
Snorkel Hose		Colour ID		Hose Use: Fitting A -> Fitting B
Part Number	Rev	Colour 1	Colour 2	
13768-02	A	Black	Yellow	Raise Stack: Main Manifold LCP -> Lift Cyl Extend
13768-01	A	Black	White	Lift Cyl Drain: Main Manifold LCR -> Lift Cyl Drain
13963-01	A	---	---	Main Manifold Return: Main Manifold Tank -> Oil Filter
13963-02	A	---	---	Filter Return: Oil Filter -> Hydraulic Oil Tank
13964-01	A	Orange	---	Pump Pressure: Main Manifold Pump -> Pump Pressure Port
13964-02	B	---	---	Suction Line: Pump Suction Port -> Hydraulic Oil Tank
13965-01	A	Red	Yellow	Stab RR Extend: Stab Manifold RRE -> Stab Cyl RR Extend
13965-02	A	Red	Green	Stab RR Retract: Stab Manifold RRR -> Stab Cyl RR Retract
13965-03	A	Orange	Yellow	Stab LR Extend: Stab Manifold LRE -> Stab Cyl LR Extend
13965-04	A	Orange	Green	Stab LR Retract: Stab Manifold LRR -> Stab Cyl LR Retract
13965-05	B	Yellow	Yellow	Stab LF Extend: Stab Manifold LFE -> Stab Cyl LF Extend
13965-06	B	Yellow	Green	Stab LF Retract: Stab Manifold LFR -> Stab Cyl LF Retract
13965-07	A	Green	Yellow	Stab RF Extend: Stab Manifold RFE -> Stab Cyl RF Extend
13965-08	A	Green	Green	Stab RF Retract: Stab Manifold RFR -> Stab Cyl RF Retract
13965-09	B	---	---	Stab Manifold Pressure: Main Manifold STP -> Stab Manifold P
13965-10	A	---	---	Stab Manifold Return: Main Mainfold STR -> Stab Manifold R
13966-01	A	Blue	Yellow	Steer Right: Main Manifold SR -> Steer Cyl Extend
13966-02	A	Blue	Green	Steer Left: Main Manifold SL -> Steer Cyl Retract
13966-03	B	Red	---	Drive Forward: Main Manifold DF -> 4WD Manifold DF
13966-04	B	Blue	---	Drive Reverse: Main Manifold DR -> 4WD Manifold DR
13966-05	B	Red	Red	Motor RR CW (Fwd): 4WD Manifold MRRF -> Motor RR Port B
13966-06	B	Red	Blue	Motor RR CCW (Rev): 4WD Manifold MRRR -> Motor RR Port A
13966-07	B	Orange	Red	Motor LR CW (Rev): 4WD Manifold MLRR -> Motor LR Port B
13966-08	B	Orange	Blue	Motor LR CCW (Fwd): 4WD Manifold MLRF -> Motor LR Port A
13966-09	A	Yellow	Red	Motor LF CW (Rev): 4WD Manifold MLFR -> Motor LF Port B
13966-10	A	Yellow	Blue	Motor LF CCW (Fwd): 4WD Manifold MLFF -> Motor LF Port A
13966-11	A	Green	Red	Motor RF CW (Fwd): 4WD Manifold MRFF -> Motor RF Port B
13966-12	A	Green	Blue	Motor RF CCW (Rev): 4WD Manifold MRFR -> Motor RF Port A
13966-13	B	Red	Orange	4WD Block Pilot: Main Manifold Pilot -> 4WD Block Pilot
13966-14	B	Red	Black	4WD Manifold Return: Main Manifold DP -> 4WD Manifold DP
13966-15	A	Red	---	Motor RR Brake: Main Manifold BR -> RR Motor Brake
13966-16	A	Orange	---	Motor LR Brake: Main Manifold BL -> LR Motor Brake
13966-17	A	Green	---	Lock Left Axle: Main Manifold AXL -> LH Axle Cyl
13966-18	A	Black	---	Lock Right Axle: Main Manifold AXR -> RH Axle Cyl

READING HOSE TAGS

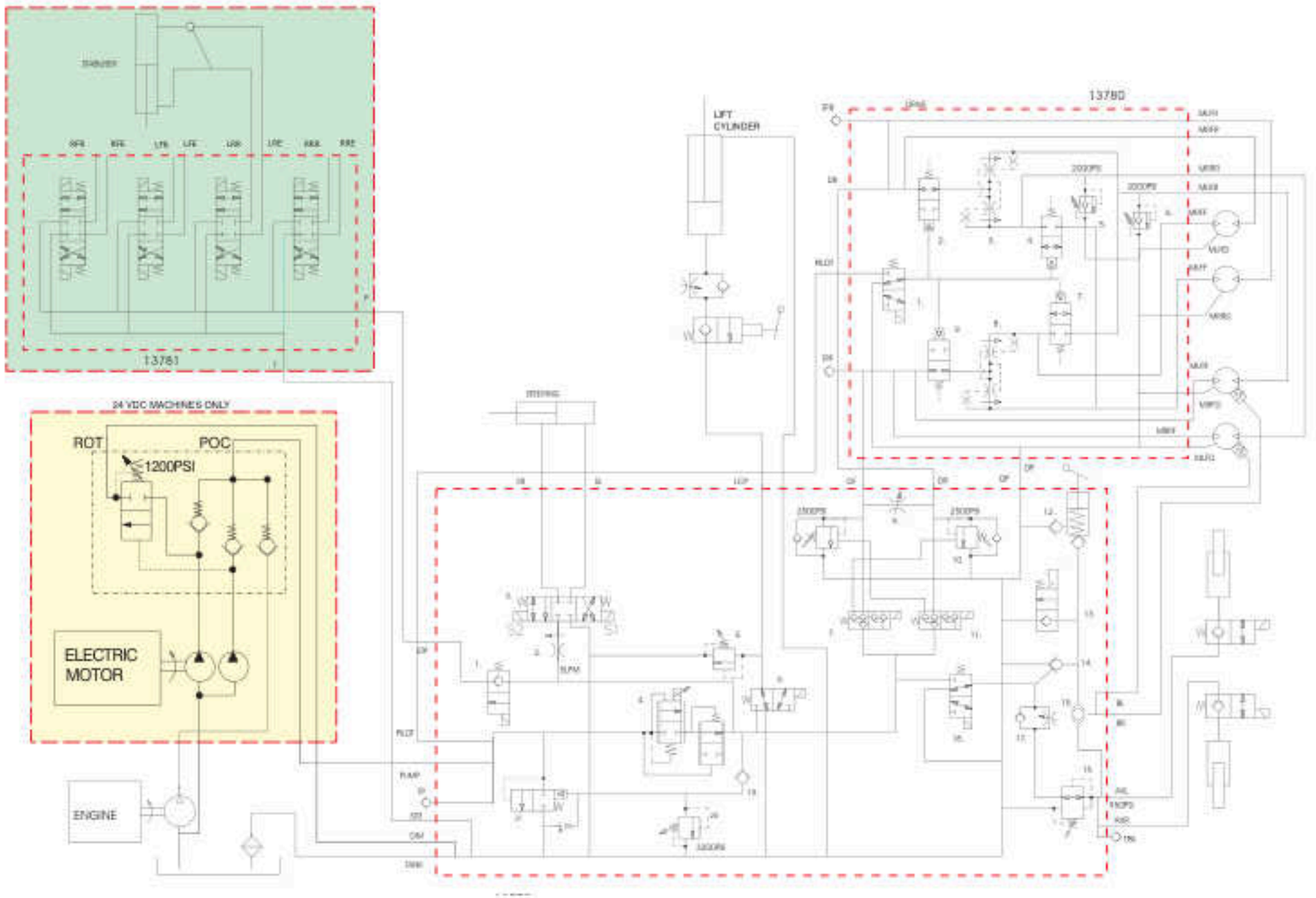
Hose tags are read from the fitting side of the hose intowards the hose.

As such colour 1 is the closest to the fitting, colour 2 the next colour then 3, 4 etc...

Hose tags need to be on both ends of the hose



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