snorkel

S2770RT
S3370RT



REPAIR PARTS MANUAL

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Serial number 000000 and after

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Outrigger Installation

Item	Part No	Qty	Description
1.	11305	1	Foot weld assembly
2.	11366-1	2	Stabiliser bush
3.	11366-2	1	Spacer, stabiliser bush
4.	11369	1	Pin, foot swivel
5.	12036A	1	Cylinder assembly
6.	11367-2	1	Pilot check valve
7.	11492-4	1	Lock tab
8.	12036-4	1	Microswitch mount plate
9.	12036-5	2	Sliding spacer
10.	12036-6	1	Compression spring
11.	12036-7	1	Switch
12.	12036	1	Stabiliser cylinder
13.	3604-03016	2	Machine screw
14.	3610-10030	2	Bolt
15.	3611-03	2	Nyloc nut
16.	7025-015	2	JICM x UN 'O' ring, male nipple
17.	REF	1	Stabiliser weldment
18.	12039	1	Hose cover, stabiliser leg
19.	2022-003	1	Cable clamp
20.	3603-06	12	Flat washer
22.	3605-06	1	HD spring washer
23.	3610-06012	4	Bolt
24.	3610-06110	4	Bolt
25.	3611-06	4	Nyloc nut
26.	3626-8	2	Flanged permaglide bush
27.	560278	1	Magnetic proximity switch
28.	3633-3	2	Roll pin
29.	12731-4	1	Wiring loom
30.	6999-005	2	Adaptor, JICM to JICF

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Hydraulic assembly

Item	Part No	Qty	Description
0.	12568A	1	Stabiliser valve block assembly
1.	12568-1	4	Stabiliser directional valve

Item	Part No	Qty	Description
0.	12567A	1	Main manifold valve block assembly
1.	12567-1	1	Stabiliser divert valve
2.	12567-2	1	Compensator check
3.	12567-3	1	Steering flow control
4.	12567-4	1	Steering directional valve
5.	12567-5	1	Steering relief shuttle
6.	12567-6	1	Steering pilot check
7.	12567-2	1	Steering relief check
8.	12567-8	1	Steering relief valve
9.	12567-9	1	Proportional valve
10.	12567-8	1	Lift relief
11.	12567-11	1	Lift valve
12.	12567-12	1	Drive valve, forward
13.	12567-13	1	Drive counterbalance valve
14.	12567-14	1	Drive check valve
15.	12567-15	1	Free wheel valve
16.	12567-14	1	Drive check valve
17.	12567-13	1	Drive counterbalance valve
18.	12567-18	1	Drive valve, reverse
19.	12567-19	1	Hand pump
20.	12567-20	1	Brake reset valve
21.	12567-21	1	Brake pilot check
22.	12567-22	1	Brake shuttle
23.	12567-23	1	Axle pressure reducing valve
24.	12567-24	1	Brake flow control valve
25.	12567-11	1	Brake selector valve
26.	12567-2	1	Compensator check
27.	12567-27	1	Compensator bleed
28.	12567-8	1	Main relief
29.	12567-29	1	Compensator
30.	13037	1	Adjustable flow control valve (SR3370 only)

Item	Part No	Qty	Description
0.	12569A	1	4 wheel drive manifold block assembly
1.	12569-1	1	Selector valve series parallel
2.	12569-2	2	Pilot operated selector valves, N.O.
3.	12569-3	2	Flow divider combiner
4.	12569-4	2	Drive motor relief valves
5.	12569-5	2	Pilot operated selector valve, N.C.

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Ground box

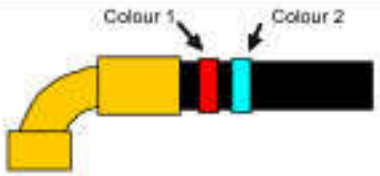
Item	Part No	Qty	Description
0.	560222	1	Ground box, complete
1.	560229	1	Ground electrical box
2.	560224	1	Alarm board/daughter board
3.	560223	1	Relay board/mother board
4.	3020013	1	Switch, toggle
	446836	1	Switch, push/pull emergency stop, CE only
	446826	1	Contact block, CE only
5.	3020015	1	Switch, toggle
6.	3020016	Ref	Switch, toggle
7.	3010018	1	Switch, toggle
8.	3020097	1	Switch, toggle
	3020167	1	Key switch, CE only
	3049906	1	Mounting base, CE only
9.	562236	1	Switch guard, not required for CE
10.	455186	1	Hour meter
11.	562326	14	Relay, 12 volt DC - 20/30 amp
12.	560390	2	Relay, 12 volt DC - 10 amp
13.	563686	1	Circuit breaker, 15 amp capacity thermal
14.	3020087	1	Key switch
	10113	1	Start switch, CE only
	9776	1	Mounting base, CE only
	10114	1	Contact, CE only
15.	560394	1	Temperature gauge
16.	560396	1	Ammeter
17.	560397	1	Internal wire harness
18.	302832	1	Speaker
19.	302882	1	Drain plug
20.	560377	1	Lamp, green bezel 12 volt
21.	3040068	Ref	Circuit breaker, 20 amp capacity thermal
22.	560240	Ref	Decal, ground control
23.	560398	1	Gasket
24.	560389	1	Door restraint cable
25.	0070967	1	Corrosion inhibitor
26.	560395	1	Temperature sensor
27.	302856	2	Bracket for daughter board
28.	302855	2	Stand-off for daughter board

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READING HOSE TAGS

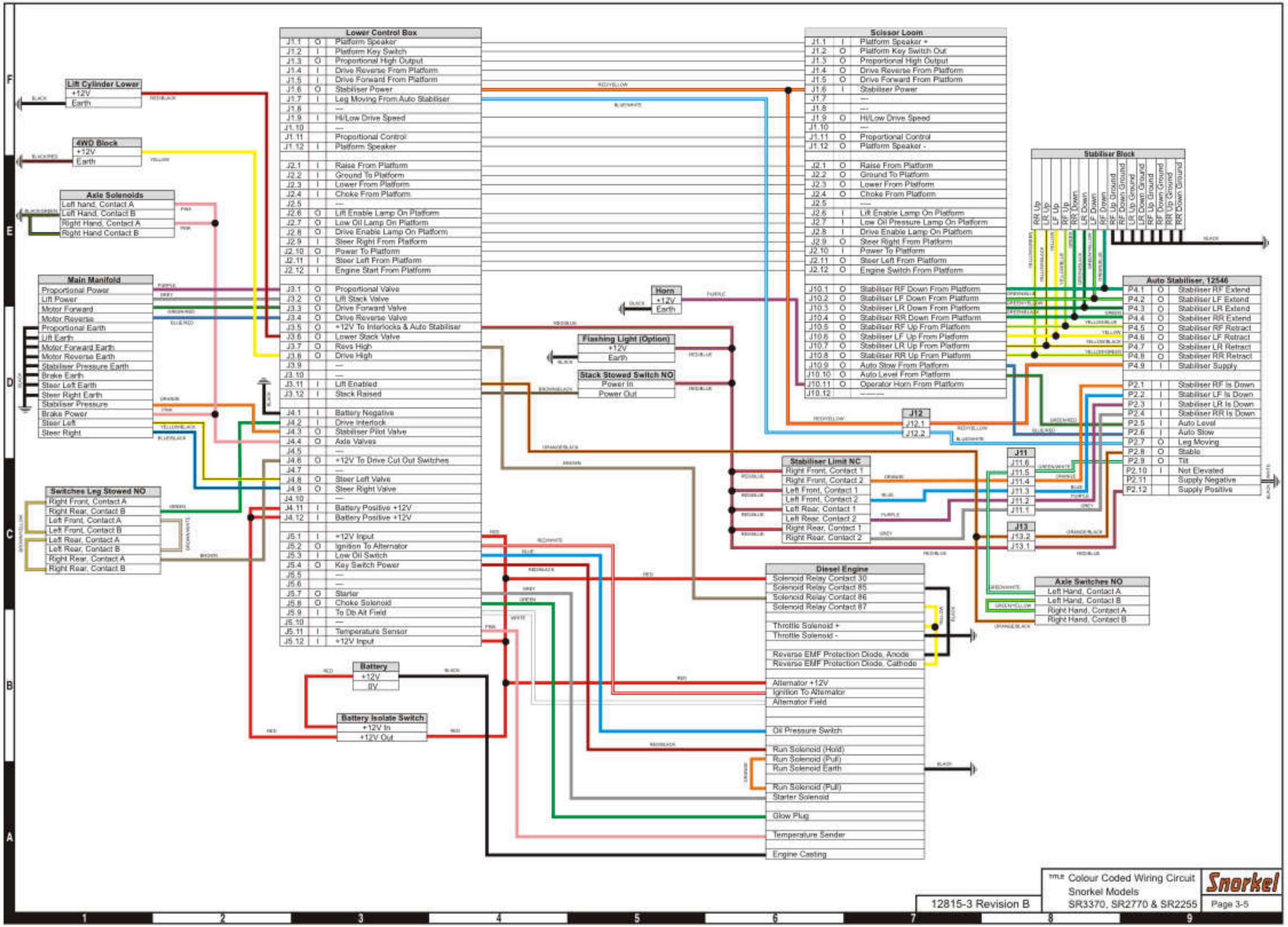
Hose tags are read from the fitting side of the hose in towards the hose.

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



Snorkel Part Number	Colour ID		Hose Use
	Colour 1	Colour 2	
12812-1	Red	Yellow	Stab RR Extend: Stab Manifold RRE → Stab Cyl RR Extend
12812-2	Red	Green	Stab RR Retract: Stab Manifold RRR → Stab Cyl RR Retract
12812-3	Orange	Yellow	Stab LR Extend: Stab Manifold LRE → Stab Cyl LR Extend
12812-4	Orange	Green	Stab LR Retract: Stab Manifold LRR → Stab Cyl LR Retract
12812-5	Yellow	Yellow	Stab LF Extend: Stab Manifold LFE → Stab Cyl LF Extend
12812-6	Yellow	Green	Stab LF Retract: Stab Manifold LFR → Stab Cyl LF Retract
12812-7	Green	Yellow	Stab RF Extend: Stab Manifold RFE → Stab Cyl RF Extend
12812-8	Green	Green	Stab RF Retract: Stab Manifold RFR → Stab Cyl RF Retract
12812-43	Blue	Yellow	Steer Right: Main Manifold SR → Steer Cyl Extend
12812-9	Blue	Green	Steer Left: Main Manifold SL → Steer Cyl Retract
12812-10	Red	---	Drive Forward: Main Manifold DF → 4WD Manifold DF
12812-11	Blue	---	Drive Reverse: Main Manifold DR → 4WD Manifold DR
12812-12	Red	White	Motor RR Drain: 4WD Manifold MRRD → Motor RR Case Drain
12812-13	Red	Red	Motor RR CW (Fwd): 4WD Manifold MRRF → Motor RR Port A
12812-14	Red	Blue	Motor RR CCW (Rev): 4WD Manifold MRRR → Motor RR Port B
12812-15	Red	---	Motor RR Brake: Main Manifold BR → RR Motor Brake
12812-16	Orange	White	Motor LR Drain: 4WD Manifold MLRD → Motor LR Case Drain
12812-17	Orange	Red	Motor LR CW (Rev): 4WD Manifold MLRR → Motor LR Port A
12812-18	Orange	Blue	Motor LR CCW (Fwd): 4WD Manifold MLRF → Motor LR Port B
12812-19	Orange	---	Motor LR Brake: Main Manifold BL → LR Motor Brake
12812-20	Yellow	White	Motor LF Drain: 4WD Manifold MLFD → Motor LF Case Drain
12812-21	Yellow	Red	Motor LF CW (Rev): 4WD Manifold MR2 → Motor LF Port A
12812-22	Yellow	Blue	Motor LF CCW (Fwd): 4WD Manifold MLFF → Motor LF Port B
12812-23	Green	White	Motor RF Drain: 4WD Manifold MRFD → Motor RF Case Drain
12812-24	Green	Red	Motor RF CW (Fwd): 4WD Manifold MRFF → Motor RF Port A
12812-25	Green	Blue	Motor RF CCW (Rev): 4WD Manifold MRFR → Motor RF Port B
12812-26	Green	---	Lock Left Axle: Main Manifold AXL → LH Axle Cyl
12812-27	Black	---	Lock Right Axle: Main Manifold AXR → RH Axle Cyl
12812-28	Red	Orange	4WD Manifold Pilot: Main Manifold Pilot → 4WD Manifold Pilot
12812-29	Red	Black	4WD Manifold Return: Main Manifold DP → 4WD Manifold DP
12812-30	---	---	Main Manifold Return: Main Manifold Tank → Oil Filter Tee
11558-8	---	---	Filter Return: Oil Filter → Hydraulic Oil Tank
12812-31	---	---	Stab Manifold Pressure: Main Manifold STP → Stab Manifold P
12812-32	---	---	Stab Manifold Return: Main Manifold STR → Stab Manifold T
12812-33	Orange	---	Pump Pressure: Main Manifold Pump → Pump Pressure Port
12812-34	---	---	Suction Line: Pump Suction Port → Hydraulic Oil Tank
SR2770 ONLY			
12812-41	Black	Yellow	Raise Stack: Main Manifold LCP → Lift Cyl Extend
12812-42	Black	White	Lift Cyl Drain: Main Manifold LCR → Lift Cyl Drain
SR3370 ONLY			
12812-35	Yellow	---	Raise Stack: Main Manifold LCP → Raise Stack Tee
12812-36	White	---	Lower Stack: Main Manifold LCR → Drain Stack Tee
12812-37	White	Yellow	Upper Lift Cyl Extend: Raise Stack Tee → Upper Lift Cyl Extend
12812-38	White	White	Upper Lift Cyl Drain: Drain Stack Tee → Upper Lift Cyl Drain
12812-39	Black	Yellow	Lower Lift Cyl Extend: Raise Stack Tee → Lower Lift Cyl Extend
12812-40	Black	White	Lower Lift Cyl Drain: Drain Stack Tee → Lower Lift Cyl Drain

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