

PARTS MANUAL (ANSI/CSA & KC)

ROUGH TERRAIN SCISSORS

MODELS SJ9250 RT

163758AF December 20, 2022

SKYJACK

MidWestTech | Skyjack SJ9250 RT Rough Terrain Scissor Lift Parts Manual | Publication 1... Order the manual at mid-west-tech.com >

Table Of Contents

1.0 Platform Related Parts

1.1 Platform and Hinged Railing Assembly 8
1.2 Gate Latch Assembly 13
1.3 Powered Extension Platform Assembly 14
1.4 Quick Release Pin Assemblies 16
1.5 Powered Extension Cylinder Mounting Assembly 18
1.6 Powered Extension Cylinder Assembly 19
1.7 Powered Extension Power Unit Assembly 20
1.8 Platform Extension Platform Control Console 22
1.9 Electrical Panel Connection - Platform Extension (ANSI/CSA) 24
1.10 Electrical Panel Connection - Platform Extension (KC) 26
1.11 Safety D-Ring Assembly 29
1.12 Hydraulic Hose Connection - Single Powered Extension Cylinder 30
1.13 Hydraulic Hose Connection - Dual Powered Extension Cylinders 31
1.14 Platform Control Console Assembly - Hardware 32
1.15 Platform Control Console Assembly - Switches 34
1.16 Drive/Steer Controller Assembly 36

2.0 Scissor Related Parts

2.1 Scissor Assembly 40
2.2 Scissor Arm Mounting Hardware 42
2.3 Scissor Arm Connecting Hardware 44
2.4 Hydraulic Hose Connection - Lift Cylinders 46
2.5 Lift Cylinder Assembly 48
2.6 Holding Valve Assembly 50
2.7 Holding Valve Assembly with Pressure Switch (KC) 51
2.8 Electrical Connection - Scissor Assembly 52
2.9 Horn, Light and Beeper Assembly (ANSI/CSA) 54
2.10 Horn, Light, Beeper and Transducer Assembly (KC) 56
2.11 Scissor Control Cable Assembly 58

3.0 Base Related Parts

3.1 Base Assembly 62
3.2 Fuel Cabinet Assembly 66
3.3 Fuel Tank Assembly 69
3.4 Hydraulic/Electrical Cabinet Assembly 70
3.5 Hydraulic Oil Tank Assembly 76
3.6 Hydraulic Hose Connections - Base 78
3.7 Hydraulic Hose Connections - Hydraulic Cabinet 80
3.8 Cushion Valve Assembly 82
3.9 Emergency Lowering Valve Assembly 83
3.10 Electrical Cabinet Components - Emergency Lowering and Powerdeck 84
3.11 Electrical Connections - Emergency Lowering (ANSI/CSA) 86
3.12 Electrical Connections - Emergency Lowering & Platform Retraction (KC) 88
3.13 Motion Control Valve Assembly 90
3.14 Auto Reset Brake Manifold Assembly 91
3.15 Main Manifold Assembly 92
3.16 Electrical Panel Assembly (ANSI/CSA) 94
3.17 Electrical Panel Assembly (KC) 96
3.18 Electrical Harnesses 100
3.19 Base Controls Assembly 102

MidWestTech | Skyjack SJ9250 RT Rough Terrain Scissor Lift Parts Manual | Publication 1... Order the manual at mid-west-tech.com >

Table Of Contents

4.0 Axle Related Parts

4.1 Front Idle Arm Assembly - 2WD (ANSI/CSA) 104
4.2 Front Axle Assembly - 4WD 106
4.3 Front Axle Hardware - 4WD 110
4.4 Steer Cylinder Assembly - 2WD 112
4.5 Steer Cylinder Assembly - 4WD 114
4.6 Drive Motor Assembly 115
4.7 Drive Shaft Assembly 116
4.8 Center Drive Assembly 118
4.9 Brake Caliper and Mount 120
4.10 Rear Axle Assembly 122

5.0 Engine Related Parts

5.1 Engine Roll-Out Tray Assembly 126
5.2 Engine Control Panel 130
5.3 Kubota Diesel Engine Assembly (D1305) 132
5.4 Kubota Diesel Fuel System (D1305) 138
5.5 Kubota Diesel Engine Harness 140
5.6 Air Intake Assembly (Kubota Diesel Engine D1305) 142
5.7 Hydraulic Pump Assembly 143
5.8 Exhaust Manifold Assembly (Kubota Diesel Engine D1305) 144
5.9 Engine Roll-Out Tray Hardware (GM Engine) 146
5.10 GM Dual Fuel Engine Assembly 148
5.11 Bell Housing Assembly (GM Engine) 154
5.12 Engine Interface Harness (GM Engine) 156
5.13 Hose Connections - GM Dual Fuel Engine 158

6.0 Optional Equipment

6.1 Electrical Panel Connections - Hydraulic Outrigger 162
6.2 Hydraulic Hose Connections - Hydraulic Outrigger 164
6.3 Outrigger Assembly 166
6.4 Outrigger Cylinder Assembly 168
6.5 Outrigger Manifold Assembly 169
6.6 Outrigger/Hydraulic Generator Control Console Assembly 170
6.7 3500W Generator and Oil Cooler Assembly 172
6.8 Hydraulic Hose Connections - 3500W Hydraulic Generator and Oil Cooler 174
6.9 Work Light Option 176
6.10 Air Hose to Platform Option 177
6.11 Platform AC Outlet Assembly 178
6.12 Cold Start Option 179
6.13 GP-108 Controller 180
6.14 Flashing Light Relay Harness 181
6.15 Gate Hand Rail Kit 182

7.0 Labels

7.1 Label Kits 185
7.2 Labels - Left and Right Sides 186
7.3 Labels - Front and Rear 188
7.4 Labels - Hydraulic Outriggers 189
7.5 Labels - Miscellaneous 190
7.6 Labels - Control Consoles 192

8.0 Tables

8.1 Fluid Tables 196

MidWestTech | Skyjack SJ9250 RT Rough Terrain Scissor Lift Parts Manual | Publication 1... Order the manual at mid-west-tech.com >

Index No.	Skyjack Part No.	Qty.	Description
			NOTE: Part numbers followed by "DG" indicate dark grey painted parts.
-	149519DG	1	FUEL CABINET ASSEMBLY
1	149518DG	1	• WELDMENT, Fuel side cabinet
2	117398	10"	• TRIM, Protective
3	107582DG	1	• DOOR, Cabinet (Fuel)
	101541	1	• • LATCH, Door with key
	111944	1	• • • KEY, Door latch
	103628	101"	• SEAL, Door
4	107584DG	1	• DOOR, Cabinet (Propane)
	101541	1	• • LATCH, Door with key
	111944	1	• • • KEY, Door latch
	103628	112"	• SEAL, Door
5	104104	2	• CABLE, Lanyard (20")
6	103980	4	• NUT, Hex head (1/4-20, Grade 8)
7	104000	4	• WASHER, Lock (1/4)
8	130004DG	1	• FUEL TANK ASSEMBLY (For components, refer to Section 3.3)
9	145976	1	TANK, Propane (Dual fuel engines)
10	101630DG	2	HOOK, Propane tank strap (Dual fuel engines)
11	112601	4	NUT, Lock, metal flanged hex (3/8-16) (Dual fuel engines)
12	103020	1	STRAP, Propane tank (set of 2) (Dual fuel engines)
L	(Ref.)	-	LABELS (Refer to Section 7.0)

MidWestTech | Skyjack SJ9250 RT Rough Terrain Scissor Lift Parts Manual | Publication 1... Order the manual at mid-west-tech.com >

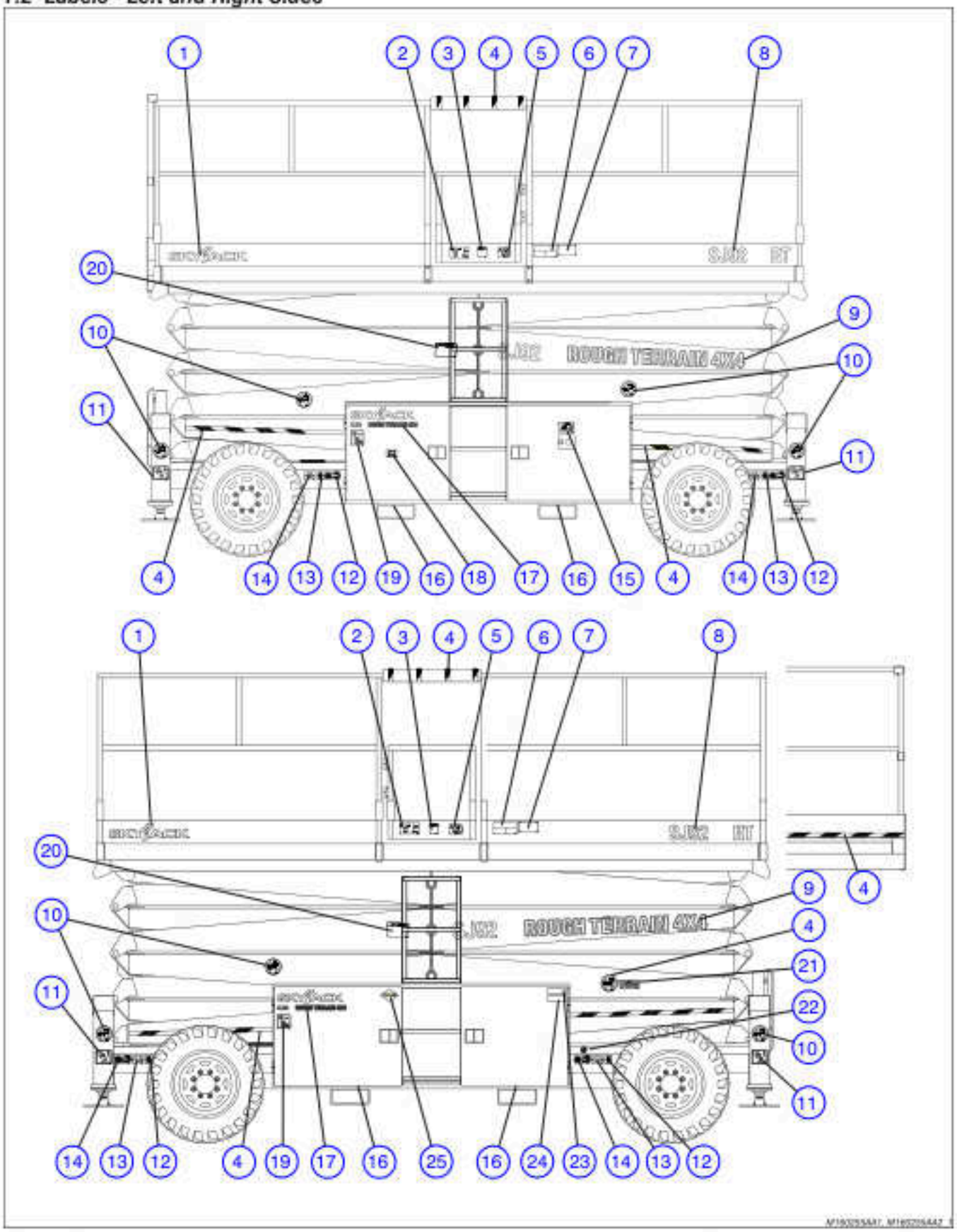
Index No.	Skyjack Part No.	Qty.	Description
1	106291	2	HOSE ASSEMBLY (Steering, 102")
2	114578	2	FITTING, Elbow 90° (06 JICM - 06 ORBM)
3	(Ref.)	-	STEER CYLINDER ASSEMBLY (For components, refer to Section 4.5)
4	(Ref.)	-	HYDRAULIC DUAL PUMP ASSEMBLY (For components, refer to Section 5.7)
5	143493	2	HOSE, Suction (1.25" diameter x 8")
6	114326	8	CLAMP, Hose (1.58")
7	123676	1	TUBE, Suction pump
8	119860	1	HOSE, Suction (1.25" diameter x 73")
9	112381	3	KIT, U-bolt
10	114821	1	TUBE, Suction hydraulic line
11	115760	2	HOSE ASSEMBLY (Return, 190")
12	115769	1	HOSE, Drain (Manual brake release to 2-Speed motor, 3/8" x 88")
13	108003	1	HOSE ASSEMBLY (Manual brake release to manifold, 1/4" x 16")
14	139694	1	HOSE, Drain (1/4" x 40")
15	112930	1	HOSE ASSEMBLY (Manual lowering, 36")
16	119865	1	HOSE, Suction (1.25" diameter x 30")
17	119014	2	HOSE ASSEMBLY (2-Speed motor to motion control valve)
18	(Ref.)	-	MOTOR ASSEMBLY (2 Speed drive) (For components, refer to Section 4.6)
19	104584	1	HOSE ASSEMBLY (Axle assembly to brake manifold, 1/4" x 109")
20	141514	1	FITTING, Straight (06MJ04MB with pressure plug)

MidWestTech | Skyjack SJ9250 RT Rough Terrain Scissor Lift Parts Manual | Publication 1... Order the manual at mid-west-tech.com >

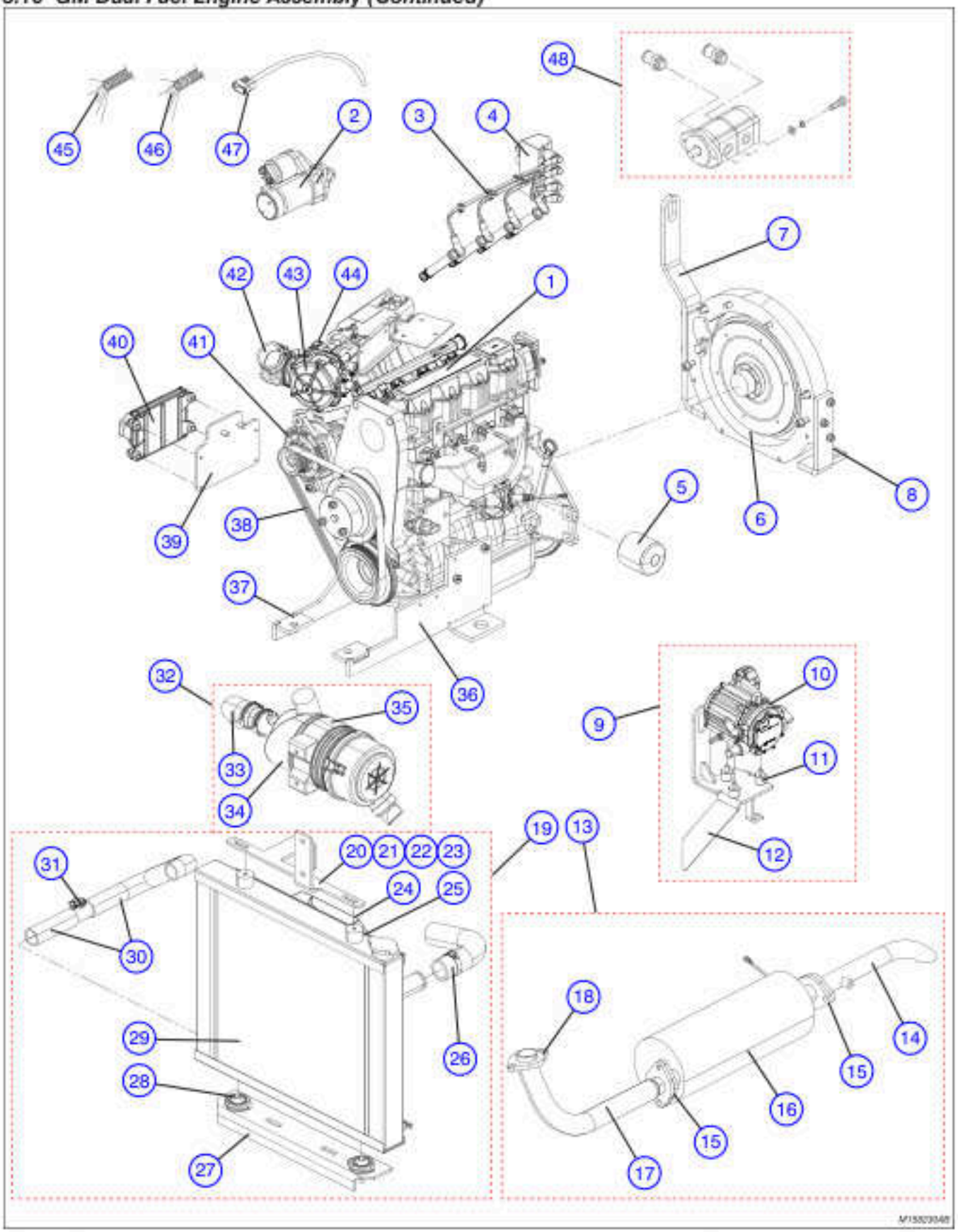
Index No.	Skyjack Part No.	Qty.	Description
			NOTE: Part numbers followed by "DG" indicate dark grey painted parts.
1	(Ref.)	-	FUEL TANK ASSEMBLY (For components, refer to Section 3.3)
2	101452	1	TUBING, Fuel line (5/16" OD x 20)
3	103321	8	CLAMP, Gear (#4)
4	102984	272"	HOSE, Fuel tank to fuel filter
5	(Ref.)	-	FITTING, Elbow (90°) (For components, refer to Section 3.3)
6	103176	1	CONNECTOR, Hose reduce
7	102660	228"	HOSE, Fuel return line
8	147250	1	CHECK VALVE
9	147249	1	FITTING, Tee
10	139254	1	FILTER, Pre-fuel
11	147247	1	FILTER, Fuel
	147248	1	• ELEMENT, Fuel filter
-	147318	1	FUEL FILTER HARDWARE ASSEMBLY
12	147321DG	1	• BRACKET, Fuel filter
13	103848	2	• BOLT, Hex head cap screw (M10 - 1.25 x 20mm, Grade 8.8)
14	127607	2	• WASHER, Lock (M10)
15	103884	1	• BOLT, Hex head cap screw (5/16"-18 x 2.5, Grade 5)
16	104637	1	• WASHER, Lock (5/16" - 0.09 high collar)
17	103996	1	• WASHER, Flat (5/16" SAE)

MidWestTech | Skyjack SJ9250 RT Rough Terrain Scissor Lift Parts Manual | Publication 1... Order the manual at mid-west-tech.com >

7.2 Labels - Left and Right Sides



MidWestTech | Skyjack SJ9250 RT Rough Terrain Scissor Lift Parts Manual | Publication 1... Order the manual at mid-west-tech.com >



MidWestTech | Skyjack SJ9250 RT Rough Terrain Scissor Lift Parts Manual | Publication 1... Order the manual at mid-west-tech.com >