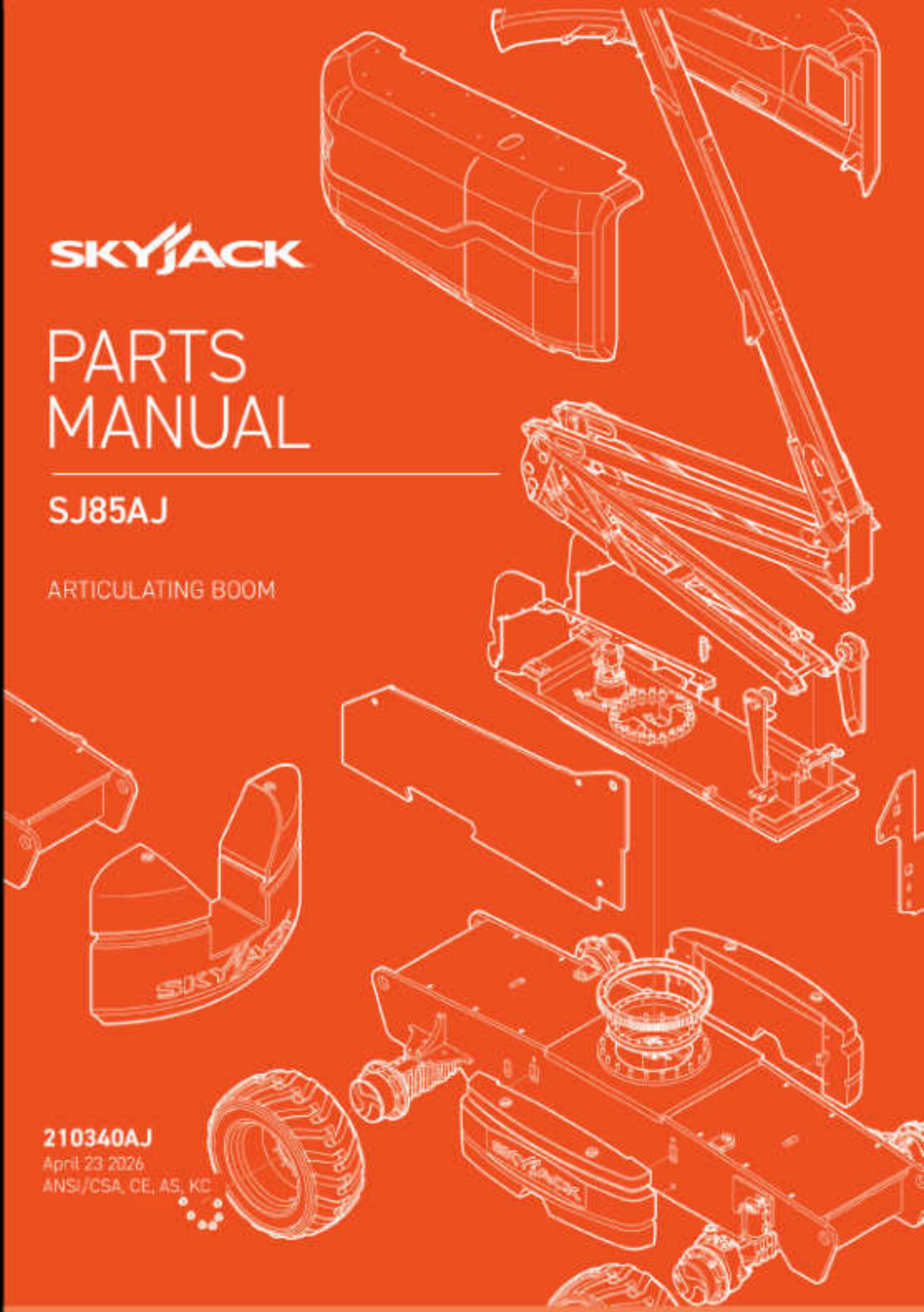
SKYJACK

PARTS MANUAL

SJ85AJ

ARTICULATING BOOM



210340AJ
April 23 2026
ANSI/CSA, CE, AS, KC

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1.1 Platform with Three Drop Bars

Index No.	Skyjack Part No.	Qty.	Description
A	165139	1	PLATFORM ASSEMBLY - 8' Tri-Entry Drop Bars - *ANSI/CSA, CE & AS*
B	165145	1	PLATFORM ASSEMBLY - 6' Tri-Entry Drop Bars - *ANSI/CSA, CE & AS*
-	169127	1	• PLATFORM ASSEMBLY, *A*
	168608	1	• PLATFORM ASSEMBLY, *B*
1	(Ref.)	1	• • BASE, Platform (For components, refer to 1.4 Platform Base)
2	(Ref.)	1	• • RAILINGS (For components, refer to 1.5 Railings)
3	103865	12	• • BOLT, Hex head (0.312"-18 x 2.00" gr 5)
4	103996	32	• • WASHER, Flat (0.312")
5	103984	16	• • NUT, Hex head nylon lock (0.313"-18 gr 5)
6	103866	4	• • BOLT, Hex head (1.312"-18 x 2.25" gr 5)
7	(Ref.)	3	• • DROP BAR GATE (For components, refer to 1.7 Drop Bar Gate)
-	170630	1	• • D-RING ASSEMBLY
8	113122	1	• • • BRACKET, Safety ring
9	114989	1	• • • D-RING, Safety
10	103472	2	• • • WASHER, Flat (0.375")
11	104606	2	• • • NUT, Hex head nylon lock (0.375"-16, gr 5)
12	103915	2	• • • BOLT, Hex head (0.375"-16 x 3.50", gr 5)
13	171860	1	• • • WASHER
14	138559	1	• NUT, Torque lock (1"-8 gr C)
15	198789	1	• BOX, Manual
16	139193	8	• BOLT, Hex head (0.375"-16 x 0.875" gr 8)
17	103856	4	• BOLT, Hex head (0.25"-20 x 0.75" gr 5)
18	138696	1	• BOLT, Hex head (1.0"-8 x 10.5" gr 8)
19	125959	8	• WASHER, Flat hardened (0.375")
20	103995	4	• WASHER, Flat (0.25")
21	102646	1	• WASHER, Flat (1.00")
22	115649	4	• NUT, Hex head nylon lock (0.25"-20 gr 5)
23	173200	1	• MANUAL, Manual of responsibilities (not shown)

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Index No.	Skyjack Part No.	Qty.	Description
11	104379	4	• • • WASHER, Flat (1/2" hard)
12	163200	4	• • • WASHER, Engine mount snubbing
13	149419	10	• • • BOLT, Hex head (M12 x 1 3/4" x 35mm Grade 8.8)
-	165900	1	• FAN ASSEMBLY, TD2.9L
14	163223	1	• • FAN, TD2.9L (17")
15	133174	4	• • BOLT, Hex head (M8 x 1 1/4" x 20mm Grade 5 Zinc, DIN933)
16	116218	4	• • WASHER, Lock (M8-plated, DIN127B)
17	(Ref.)	1	• RADIATOR, TD2.9L (For components, refer to 6.3 Radiator - Deutz TD2.9L)
18	165602	1	• CABLE, Alternator TD2.9L
19	(Ref.)	1	• AIR INTAKE, Deutz TD2.9L (not shown) (For components, refer to 6.2 Air Intake - Deutz TD2.9L)
-	165818	1	• EXHAUST PIPE ASSEMBLY
20	164525	1	• • ADAPTER, Exhaust
21	164540	1	• • TAILPIPE, Deutz TD2.9
22	148377	1	• • CLAMP, Exhaust pipe (2")
23	194346	1	• • BRACKET, Ehxaust - Deutz
24	133232	3	• • WASHER, Flat (M8)
25	133174	3	• • BOLT, Hex head (M8-1.25 X 20 GR 8.8)
-	165022	1	GLOW PLUG HARNESS ASSEMBLY
26	165028	1	• HARNESS, Glow plug
27	138834	1	• SCREW, Round head machine (#10-24 x 0.75")
28	104694	2	• WASHER, Flat (#10)
29	126642	1	• NUT, Hex head nylon lock (#10-24, Grade 5)
30	139106	1	• BOOT, Terminal (#4AWG)
31	(Ref.)	1	ENGINE HARNESS - Deutz TD2.9L (not shown) (For components, refer to 7.4 Engine Harness - Deutz TD2.9L)

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9.3 Generator and Cooler Assembly - 3.5 kW

Index No.	Skyjack Part No.	Qty.	Description
A	198047	1	3.5 kW GENERATOR AND OIL COOLER ASSEMBLY (60 Hz) - *ANSI/CSA*
B	198048	1	3.5 kW GENERATOR AND OIL COOLER ASSEMBLY (50 Hz) - *CE & KC*
1	(Ref.)	1	• 3.5 kW GENERATOR (For components, refer to 9.4 Generator - 3.5 kW)
2	(Ref.)	1	• OIL COOLER ASSEMBLY (For components, refer to 9.2 Oil Cooler)
3	(Ref.)	1	• ELECTRICAL ASSEMBLY (For components, refer to 9.9 Generator and Oil Cooler Wiring)
4	117390	1	• LABEL, Push to reset generator
5	103070	1	• FITTING, Straight (06JICM-08ORBM)
6	144116	1	• FITTING, Run tee (12JICM-12ORBM-12JICM)
7	703412	1	• FITTING, Straight (12JICF-08JICM)
8	152552	1	• FITTING, 45° (16JICM-12ORBM)
9	168652	1	• FITTING, Straight (12JICF-16JICM)
10	144474	1	• FITTING, Straight (04JICM-04ORBM x 0.028 port)

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
-	198079	• HOSE ASSEMBLY, Generator - 3.5 kW			
11	H2516 0051 0	Oil Cooler	OUT	IN	Hydraulic return filter
12	H5406 0021 0	Generator	Case	T7	Hydraulic tank
13	H3816 0058 0	Oil Cooler	IN	T	Main manifold
14	H5408 0031 0	Generator	P3	OUT	High pressure filter
15	H5404 0044 0	Generator	P2	LS1	Main manifold
16	H5408 0026 0	Oil Cooler	IN	OUT	Generator

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