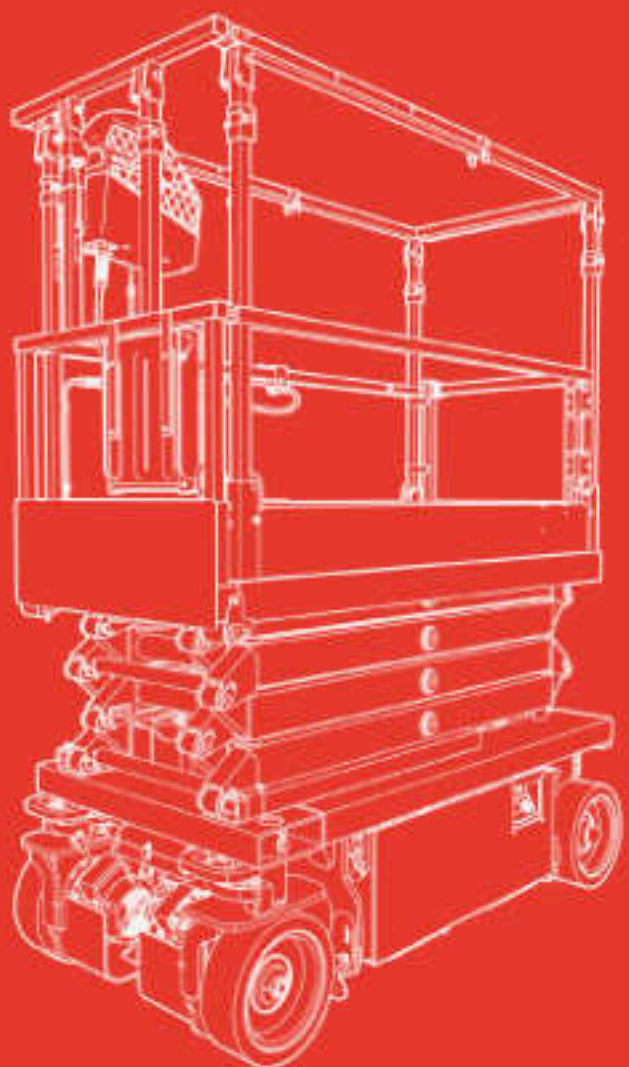
SKYJACK

SERVICE MANUAL

SJ3215 E, SJ3219 E

DC ELECTRIC SCISSORS



248003ADA
July 15 2026
ANSI/CSA, CE, AS, KC

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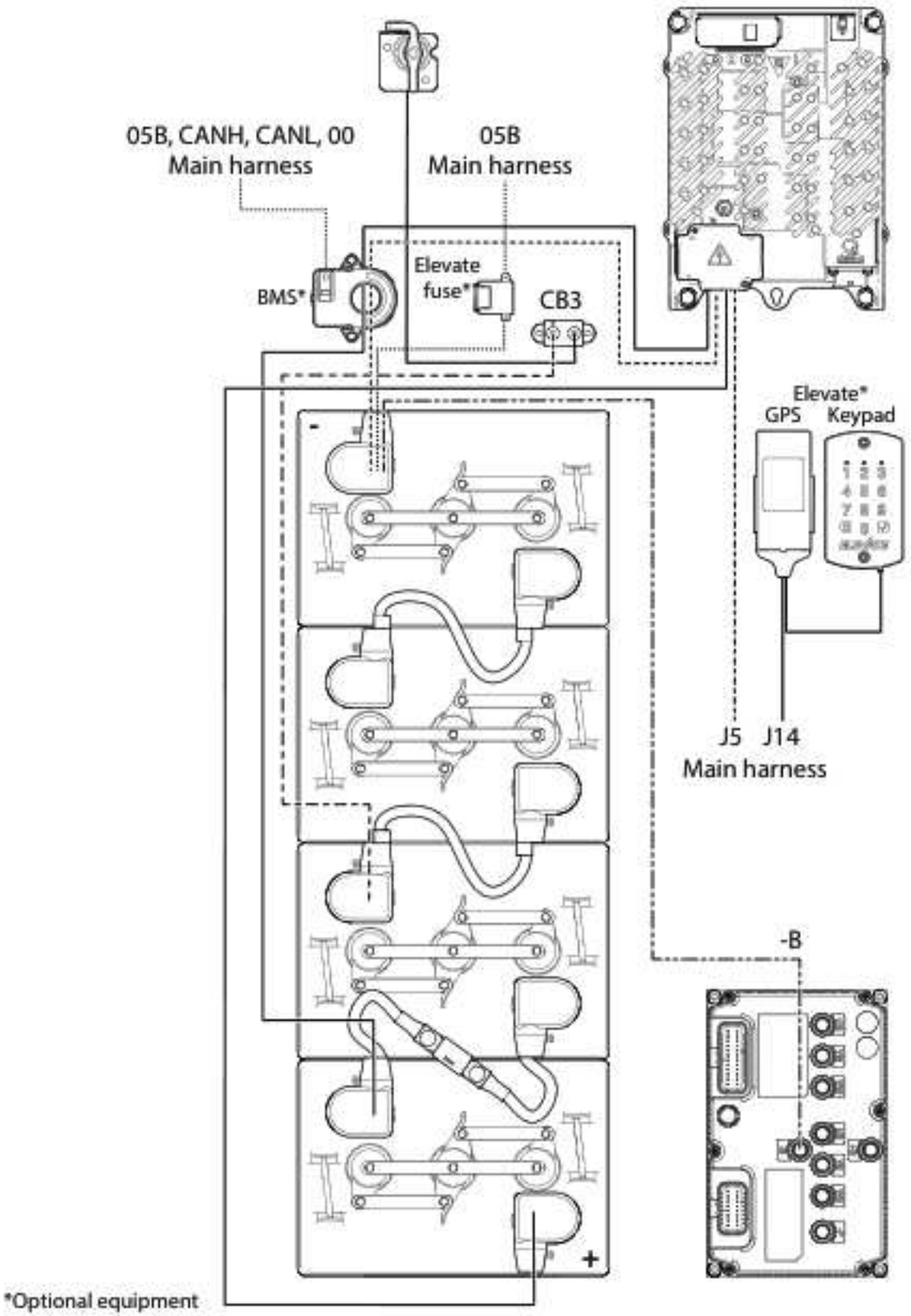
Table 2.9 Specifications & features - SJ3219 E

	SJ3219 E	ANSI/CSA		CE	AS	KC
Dimensions	Working height	24 ft 6 in	7.48 m	7.65 m	6.61 m	7.65 m
	Raised platform height	18 ft 6 in	5.65 m	5.65 m	5.65 m	5.65 m
	Maximum drive height	18 ft 6 in	5.65 m	5.65 m	5.65 m	5.65 m
	Stowed platform height	40.55 in	1.03 m	1.03 m	1.03 m	1.03 m
	Stowed height (railings up)	84.25 in	2.14 m	2.14 m	1.99 m	2.03 m
	Stowed height (railings down)	79.60 in	2.01 m	1.79 m	N/A	N/A
	Railing height from platform	43.76 in	1.11 m	1.11 m	0.96 m	1.00 m
	Midrail height from platform	22.05 in	0.56 m	0.56 m	0.56 m	0.59 m
	Toeguard height from platform	5.91 in	0.15 m	0.15 m	0.15 m	0.15 m
	Machine overall width	32.28 in	0.82 m	0.82 m	0.82 m	0.82 m
	Machine overall length (platform retracted)	70.87 in	1.80 m	1.80 m	1.80 m	1.80 m
	Machine overall length (platform extended)	104.18 in	2.65 m	2.64 m	2.64 m	2.64 m
	Platform width inside railing	25.20 in	0.64 m	0.64 m	0.64 m	0.64 m
	Platform width outside railing	28.40 in	0.72 m	0.72 m	0.72 m	0.72 m
	Platform inside length (retracted)	60.63 in	1.54 m	1.54 m	1.54 m	1.54 m
	Platform outside length (retracted)	64.89 in	1.65 m	1.64 m	1.64 m	1.64 m
	Platform inside length (extended)	94.09 in	2.39 m	2.39 m	2.39 m	2.39 m
	Platform outside length (extended)	97.96 in	2.49 m	2.48 m	2.48 m	2.48 m
	Platform extension	33.07 in	0.84 m	0.84 m	0.84 m	0.84 m
	Ground clearance - pothole raised	3.54 in	0.09 m	0.09 m	0.09 m	0.09 m
	Ground clearance - pothole deployed	0.5 in	0.01 m	0.01 m	0.01 m	0.01 m
	Wheel base	54.33 in	1.38 m	1.38 m	1.38 m	1.38 m
	Wheel track width	28.35 in	0.72 m	0.72 m	0.72 m	0.72 m
	Turn radius - inside wheel	0.00 in	0 m	0 m	0 m	0 m
	Turn radius - outside wheel	64.96 in	1.65 m	1.65 m	1.65 m	1.65 m
	Turn radius - outside base	67.32 in	1.71 m	1.71 m	1.71 m	1.71 m
	Ladder height - ground to first step	10.24 in	0.26 m	0.26 m	0.26 m	0.26 m
	Ladder height - ground to top step	30.71 in	0.78 m	0.78 m	0.78 m	0.78 m
	Elevated drive speed trip height	66 in	1.68 m	1.68 m	1.68 m	1.68 m
	Pothole drive cutout height	108.5 in	2.76 m	2.76 m	2.76 m	2.76 m
	Armguard	N/A	N/A	1.75 m	N/A	N/A

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3.18 Battery wiring connections



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5.8-24 Skycoded error codes and troubleshooting

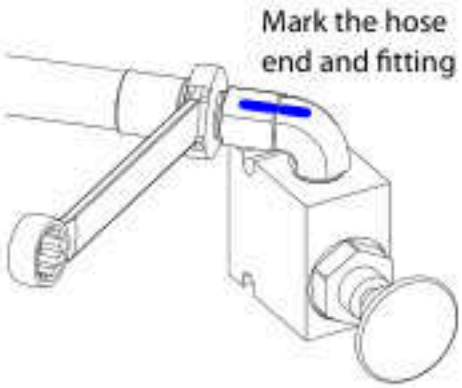
Confirm the correct model, region, and battery type are selected before you start troubleshooting.

Code	Code String	Cause	Troubleshooting
8	8-CTRL ERR	Controller internal error.	Cycle the power. If still present, replace controller.
17	17-CTRL ERR	Controller internal error.	Replace the controller. Cycle the power. If still present, replace controller.
18	18-CTRL ERR	Controller internal error.	Cycle the power. If still present, replace controller.
19	19-CTRL ERR	P1 pin 3 detect low voltage, check wire connection and power cable voltage.	Check power cable connections P- and B+ are not swapped. Could be internal to controller or internal damage to wire A3 (continuity might be OK, but cannot hold high amp). Replace harness.
28	28-PMP VLT LOW	Pump motor voltage lower than expected.	Check power cable connection and leakage between motor and motor frame.
29	29-PMP VLT HI	Pump motor voltage higher than expected.	Check power cable connection and leakage between motor and motor frame.
30	30-TRAC VLOW	Traction motor voltage lower than expected.	Check power cable connection and leakage between motor and motor frame.
31	31-TRAC VHI	Traction motor voltage higher than expected.	Check power cable connection and leakage between motor and motor frame.
37	37-CONTCT CLOSE	Power to contactor is properly connected, but contactor is stuck closed.	Check the condition of the contactor
38	38-CONTCT OPN	Power to contactor is properly connected, but contactor is stuck open.	Check power cable connection and leakage between motor and motor frame.
52	52-PMP AMP LOW	Pump motor running current is lower than commanded.	Check pump power cable connection.
53	53-PMP AMP HI	Pump motor running current is higher than commanded	Check pump power cable connection.
60	60-CTRL ERR	Controller internal error. Cycle the power. If still present, replace controller.	Cycle the power. If fault is still there, replace the controller.
62	62-CTRL TEMP	Controller internal temprature is too high. Exceeding 85 °C.	Check the tester menu DRIVE-CONTROLLER TEMP. Allow the controller to cool if hot. If the fault occurs when the controller is cold, replace the controller.
65	65-TRAC MOT TMP	Traction motor temp is too high.	Check tester menu DRIVE-MOTOR TEMP. If temp is incorrect, replace the motor.
66	66-LOW BATTERY	Battery state of charge is lower than 10%.	Check the condition of the batteries and charge.
74	74-CTRL ERR	Controller internal error. Cycle the power. If still present, replace the controller.	Cycle the power. If the fault is still there, replace the controller.
75	75-CTRL ERR	Controller internal error. Cycle the power. If still present, replace the controller.	Cycle the power. If the fault is still there, replace the controller.
79	79-ENABLE ERR	Joystick is active before enable is engaged.	Check on tester. Repeat the command with the correct sequence. Check joystick wiring.

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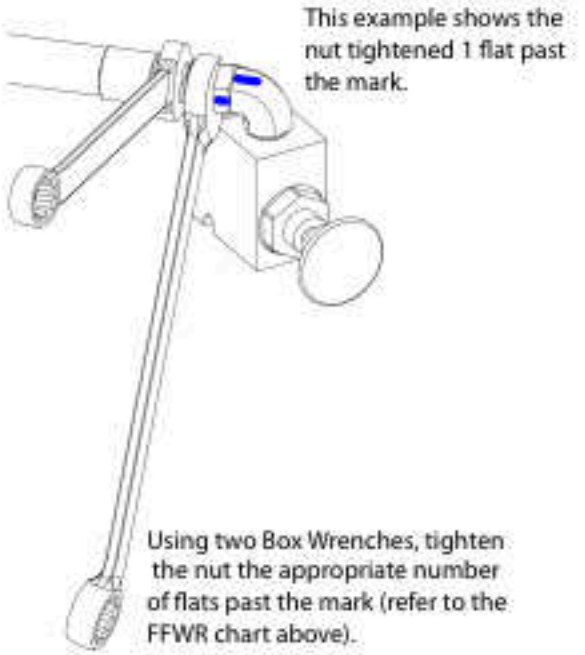
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6. Referencing the chart below, use a second box wrench to tighten the nut the appropriate number of flats past the mark. Do NOT over tighten it.

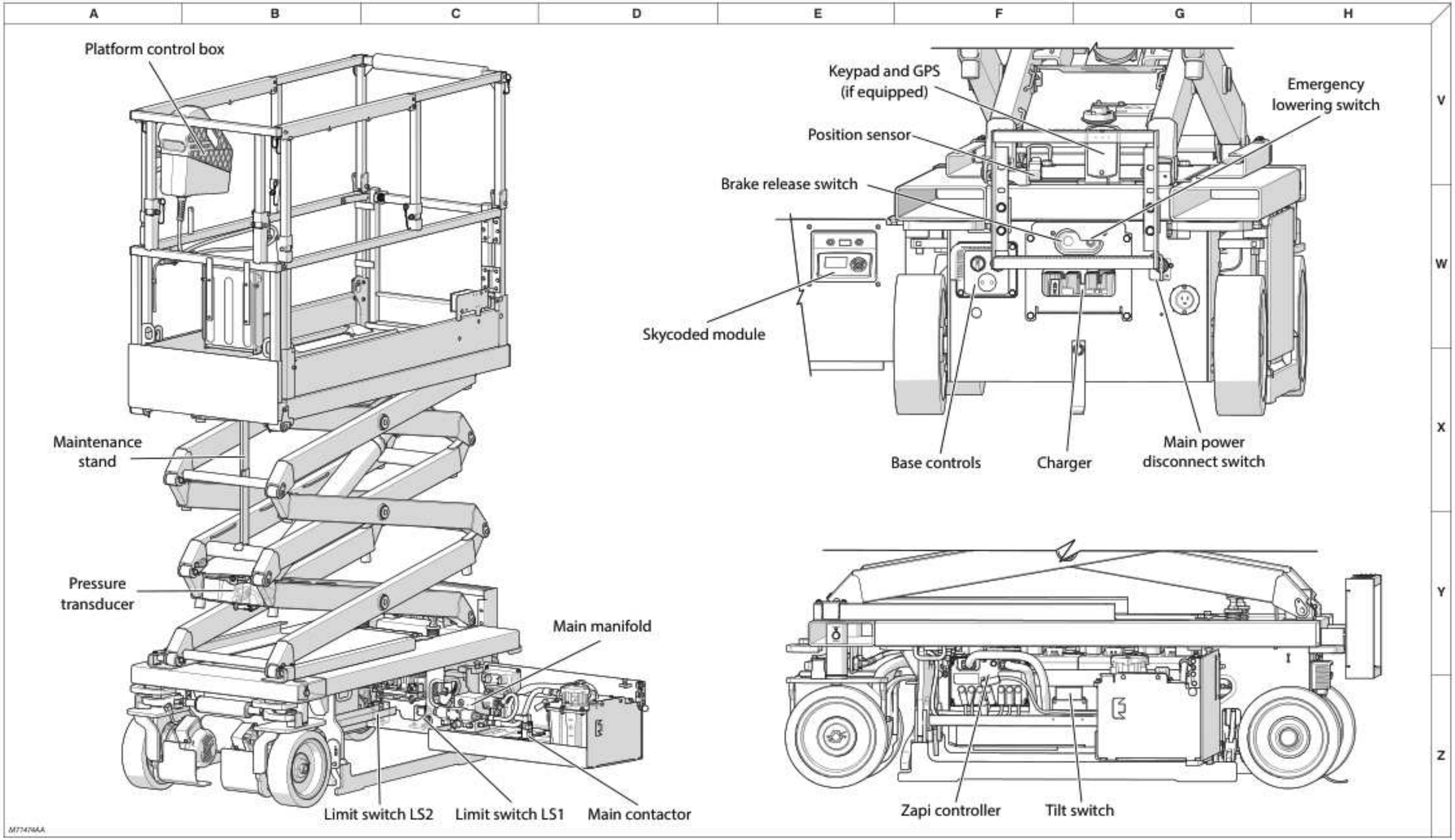
FLATS FROM WRENCH RESISTANCE CHART for JIC Hose Ends			
Size		FFWR	
Dash	Frac. (in.)	37° Tube Nut	Swivel Nut
-4	1/4"	2	1.5
-5	5/16"	2	2
-6	3/8"	1.5	1.5
-8	1/2"	1.5	1.25
-10	5/8"	1.5	-
-12	3/4"	1.25	-
-16	1"	1	-
-20	1 1/4"	1	-
-24	1 1/2	1	-
-32	2"	1	-



7. Apply a drop of torque seal to the connection.

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3.22 Major Components



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