Illustrated Parts Manual

Models

860SJ HC3

PVC
2007

P/N
31215891

June 1, 2020 - Rev A

ANSI

AS/NZS

An Oshkosh Corporation Company

Order the manual at mid-west-tech.com >

TABLE OF CONTENTS

SECTION 1 - FRAME 13

FIGURE 1-1. AXLE INSTALLATION - OSCILLATING (WITHOUT TOW PACKAGE) 14
FIGURE 1-2. AXLE INSTALLATION - OSCILLATING (WITH TOW PACKAGE) 16
FIGURE 1-3. STEERING INSTALLATION - WITHOUT TOW PACKAGE 18
FIGURE 1-4. STEERING INSTALLATION - WITH TOW PACKAGE 20
FIGURE 1-5. WHEEL DRIVE AND FRAME VALVES INSTALLATION – 4WD 22
FIGURE 1-6. DRIVE HUB/BRAKE ASSEMBLY 24
FIGURE 1-7. DRIVE MOTOR ASSEMBLY - 4WD 26
FIGURE 1-8. TIRE & WHEEL INSTALLATION - 15-625 NHS FOAM-FILLED 28
FIGURE 1-9. TIRE AND WHEEL INSTALLATION 18-625 NHS FOAM-FILLED TIRE 30
FIGURE 1-10. TIRE AND WHEEL INSTALLATION 18-625 NHS FOAM-FILLED NON-MARKING TIRE 32
FIGURE 1-11. LP TANK BRACKETS INSTALLATIONS 34
FIGURE 1-12. TOW PACKAGE INSTALLATION (ENGLISH DECALS) 36
FIGURE 1-13. TOW PACKAGE INSTALLATION (FRENCH/ENGLISH DECALS) 38
FIGURE 1-14. TOW BAR ASSEMBLY 40
FIGURE 1-15. FRAME SHIELDS INSTALLATION 42

SECTION 2 - TURNTABLE 45

FIGURE 2-1. CONTROL VALVES INSTALLATION - 860SJ HC3 46
FIGURE 2-2. MAIN CONTROL VALVE ASSEMBLY 48
FIGURE 2-3. SWING DRIVE INSTALLATION 50
FIGURE 2-4. SWING MOTOR/HUB ASSEMBLY 52
FIGURE 2-5. TURNTABLE BEARING INSTALLATION 56
FIGURE 2-6. REMOTE BEARING LUBE INSTALLATION 58
FIGURE 2-7. TURNTABLE LOCK INSTALLATION 60
FIGURE 2-8. ROTARY COUPLING INSTALLATION 62
FIGURE 2-9. TANK INSTALLATION - GAS ENGINES 64
FIGURE 2-10. TANK INSTALLATION - DIESEL ENGINES 66
FIGURE 2-11. HYDRAULIC TANK ASSEMBLY 68
FIGURE 2-12. AUXILIARY PUMP WITH BATTERY WITHOUT BATTERY DISCONNECT SWITCH INSTALLATION 70
FIGURE 2-13. AUXILIARY PUMP WITH BATTERY WITH BATTERY DISCONNECT SWITCH INSTALLATION 72
FIGURE 2-14. GROUND CONTROL BOX ASSEMBLY - 860SJ HC3 WITH DEUTZ D2011 (ANSI EXPORT (LRC) AND AUSTRALIAN SPECS) 74
FIGURE 2-15. GROUND CONTROL BOX ASSEMBLY - 860SJ HC3 WITH DEUTZ D2011 (CE SPECS) 78
FIGURE 2-16. GROUND CONTROL BOX ASSEMBLY - 860SJ HC3 WITH DEUTZ TD2.9L4 (ANSI, ANSI EXPORT (HRC), CSA, JAPANESE AND CHINA SPECS) 82
FIGURE 2-17. GROUND CONTROL BOX ASSEMBLY - 860SJ HC3 WITH DEUTZ TD2.9L4 (STAGE V) (CE SPECS) 86
FIGURE 2-18. GROUND CONTROL BOX ASSEMBLY - 860SJ HC3 WITH FORD DF 2.5L (ANSI, ANSI EXPORT (LRC), ANSI EXPORT (HRC), AUSTRALIAN AND CSA SPECS) 90
FIGURE 2-19. LIGHT PANEL INSTALLATION 94
FIGURE 2-20. ALARM INSTALLATION 96
FIGURE 2-21. WHITE NOISE ALARM INSTALLATION 98
FIGURE 2-22. STROBE LIGHT INSTALLATION (AMBER) 100
FIGURE 2-23. STROBE LIGHT INSTALLATION (BLUE) 102
FIGURE 2-24. STROBE LIGHT INSTALLATION (RED) 104
FIGURE 2-25. EXHAUST STACK INSTALLATION - STEEL HOOD (DEUTZ D2011 ENGINES) 106
FIGURE 2-26. EXHAUST STACK INSTALLATION - STEEL HOOD WITH HOSTILE ENVIRONMENT MACHINES (DEUTZ D2011 ENGINES) 108
FIGURE 2-27. EXHAUST STACK INSTALLATION - STEEL HOOD (DEUTZ TD2.9L4 ENGINES) 110
FIGURE 2-28. EXHAUST STACK INSTALLATION - STEEL HOOD (DEUTZ TD2.9L4 (STAGE V) ENGINES) 112
FIGURE 2-29. EXHAUST STACK INSTALLATION - STEEL HOOD WITH HOSTILE ENVIRONMENT MACHINES (DEUTZ TD2.9L4 ENGINES) 114
FIGURE 2-30. EXHAUST STACK INSTALLATION - STEEL HOOD (FORD DF 2.5L ENGINES) 116
FIGURE 2-31. HOODS INSTALLATION - ABS (DEUTZ D2011 ENGINES) 118
FIGURE 2-32. HOODS INSTALLATION - STEEL (DEUTZ D2011 ENGINES) 122
FIGURE 2-33. HOODS INSTALLATION - STEEL WITH HOSTILE ENVIRONMENT MACHINES (DEUTZ D2011 ENGINES) 126
FIGURE 2-34. HOODS INSTALLATION – STEEL WITH HOSTILE ENVIRONMENT MACHINES (DEUTZ TD2.9L4 ENGINES) 130
FIGURE 2-35. HOODS INSTALLATION – STEEL (DEUTZ TD2.9L4 AND DEUTZ TD2.9L4 (STAGE V) ENGINES) 134
FIGURE 2-36. HOODS INSTALLATION – STEEL WITH HOSTILE ENVIRONMENT MACHINES (DEUTZ TD2.9L4 ENGINES) 138
FIGURE 2-37. HOODS INSTALLATION – STEEL (FORD DF 2.5L ENGINES) 142
FIGURE 2-38. HOOD ASSEMBLY - ENGINE SIDE REAR (DEUTZ TD2.9L4 ENGINES) 146
FIGURE 2-39. HOOD ASSEMBLY - TANK SIDE REAR (DEUTZ TD2.9L4 AND DEUTZ TD2.9L4 (STAGE V) ENGINES) 148
FIGURE 2-40. LIFTING PLATE INSTALLATION 150
FIGURE 2-41. SKYAIR AIR COMPRESSOR INSTALLATION (DEUTZ D2011 AND FORD DF 2.5L ENGINES) 152

MidWestTech | JLG 800S HC3, 860SJ HC3 Boom Lift Parts Manual | Publication 31215891 Order the manual at mid-west-tech.com >

TABLE OF CONTENTS

FIGURE 2-42. SKYAIR AIR COMPRESSOR INSTALLATION (DEUTZ TD2.9L4 ENGINES) 154
FIGURE 2-43. AIR COMPRESSOR ASSEMBLY 156

SECTION 3 - ENGINE 159

FIGURE 3-1. DEUTZ D2011 ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE) 160
FIGURE 3-2. DEUTZ D2011 ENGINE INSTALLATION (WITH ARCTIC PACKAGE) 162
FIGURE 3-3. DEUTZ D2011 ENGINE INSTALLATION (HIGH TEMP MARKETS) 166
FIGURE 3-4. DEUTZ D2011 ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE) 168
FIGURE 3-5. DEUTZ D2011 ENGINE AND PUMP SUB-ASSEMBLY (WITH ARCTIC PACKAGE) 170
FIGURE 3-6. DEUTZ D2011 ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE) 172
FIGURE 3-7. DEUTZ D2011 ENGINE ASSEMBLY (WITH ARCTIC PACKAGE) 176
FIGURE 3-8. DEUTZ D2011 ENGINE COMPONENTS 180
FIGURE 3-9. DEUTZ TD2.9L4 ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE) 184
FIGURE 3-10. DEUTZ TD2.9L4 ENGINE INSTALLATION (WITH ARCTIC PACKAGE) 188
FIGURE 3-11. DEUTZ TD2.9L4 (STAGE V) ENGINE INSTALLATION 192
FIGURE 3-12. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE) 196
FIGURE 3-13. DEUTZ TD2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (WITH ARCTIC PACKAGE) 198
FIGURE 3-14. DEUTZ TD2.9L4 (STAGE V) ENGINE AND PUMP SUB-ASSEMBLY 200
FIGURE 3-15. DEUTZ TD2.9L4 ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE) 202
FIGURE 3-16. DEUTZ TD2.9L4 ENGINE ASSEMBLY (WITH ARCTIC PACKAGE) 208
FIGURE 3-17. DEUTZ TD2.9L4 ENGINE ASSEMBLY (STAGE V) 214
FIGURE 3-18. DEUTZ TD2.9L4 ENGINE COMPONENTS 220
FIGURE 3-19. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 ENGINES) 224
FIGURE 3-20. FUEL PUMP/FILTER BRACKET ASSEMBLY (DEUTZ TD2.9L4 (STAGE V) ENGINES) 226
FIGURE 3-21. BREATHER HEATER INST (DEUTZ TD2.9L4 ENGINES) 228
FIGURE 3-22. FORD ENGINE INSTALLATION (WITHOUT ARCTIC PACKAGE) 230
FIGURE 3-23. FORD ENGINE AND PUMP SUB-ASSEMBLY (WITHOUT ARCTIC PACKAGE) 234
FIGURE 3-24. FORD ENGINE ASSEMBLY (WITHOUT ARCTIC PACKAGE) 236
FIGURE 3-25. FORD ENGINE PREP ASSEMBLY 242
FIGURE 3-26. FORD ENGINE BRACKETS AND EXHAUST MANIFOLD INSTALLATION 244
FIGURE 3-27. FORD ENGINE DRIVE BELT INSTALLATION (MACHINES WITHOUT GENERATOR) 246
FIGURE 3-28. FORD ENGINE COMPONENTS 248
FIGURE 3-29. PUMP COUPING KIT (DEUTZ ENGINES) 252
FIGURE 3-30. HYDROSTATIC PUMP ASSEMBLY 254
FIGURE 3-31. VARIABLE PUMP ASSEMBLY 256
FIGURE 3-32. EXHAUST PIPE INSTALLATION - DEUTZ TD2.9L4 ENGINES 260
FIGURE 3-33. EXHAUST PIPE INSTALLATION - DEUTZ TD2.9L4 (STAGE V) ENGINES 262
FIGURE 3-34. EXHAUST PIPE INSTALLATION - FORD DF 2.5L ENGINES 264
FIGURE 3-35. SPARK ARRESTOR MUFFLER INSTALLATION - DEUTZ D2011 ENGINES 266
FIGURE 3-36. FUEL-WATER SEPARATOR INSTALLATION - DEUTZ D2011 268
FIGURE 3-37. FUEL-WATER SEPARATOR INSTALLATION - DEUTZ TD2.9L4 (PCV 2007) 270
FIGURE 3-38. FUEL FILTER ASSEMBLY (DEUTZ TD2.9L4 ENGINES) 272
FIGURE 3-39. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ D2011 ENGINES MACHINES WITHOUT GENERATORS) 274
FIGURE 3-40. RIGHT ENGINE SUPPORT INSTALLATION (DEUTZ D2011 ENGINES MACHINES WITH GENERATORS) 276
FIGURE 3-41. ENGINE HOOD BAFFLE INSTALLATION - DEUTZ TD2.9L4 AND DEUTZ 2.9L4 (STAGE V) ENGINES WITH ABS HOODS 278
FIGURE 3-42. ENGINE HOOD BAFFLE INSTALLATION - DEUTZ TD2.9L4 AND DEUTZ 2.9L4 (STAGE V) ENGINES WITH STEEL HOODS 280
FIGURE 3-43. ENGINE TRAY JACK INSTALLATION - DEUTZ ENGINES 282
FIGURE 3-44. ENGINE TRAY JACK INSTALLATION - FORD ENGINES 284
FIGURE 3-45. 2500W/220V/50HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES 286
FIGURE 3-46. 2500W/110V/60HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES 288
FIGURE 3-47. 2500W/110V/60HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES 290
FIGURE 3-48. 2500W/110V/60HZ GENERATOR INSTALLATION - FORD ENGINES 294
FIGURE 3-49. 4000W/50HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES 298
FIGURE 3-50. 4000W/60HZ GENERATOR INSTALLATION - DEUTZ D2011 ENGINES 302
FIGURE 3-51. 4000W/50HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 AND DEUTZ TD2.9L4 (STAGE V) ENGINES 306
FIGURE 3-52. 4000W/60HZ GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES 310
FIGURE 3-53. 7500W/50HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2011 ENGINES 314
FIGURE 3-54. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ D2011 ENGINES 318
FIGURE 3-55. 7500W/50HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ TD2.9L4 AND DEUTZ TD2.9L4 (STAGE V) ENGINES 322
FIGURE 3-56. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION - DEUTZ TD2.9L4 AND DEUTZ TD2.9L4 (STAGE V) ENGINES 326
FIGURE 3-57. 7500W/60HZ SKYPOWER GENERATOR INSTALLATION – FORD DF 2.5L ENGINES 330

MidWestTech | JLG 800S HC3, 860SJ HC3 Boom Lift Parts Manual | Publication 31215891 Order the manual at mid-west-tech.com >

SECTION 4 - BOOM 335

FIGURE 4-1. BOOM AND CYLINDERS INSTALLATION - 860SJ HC3 336
FIGURE 4-2. MAIN BOOM ASSEMBLY - 860SJ HC3 340
FIGURE 4-3. JIB ASSEMBLY - 860SJ HC3 344
FIGURE 4-4. ROTATOR ASSEMBLY - 860SJ HC3 346
FIGURE 4-5. PLATFORM SUPPORT INSTALLATION 348
FIGURE 4-6. POWER TRACK INSTALLATION - MAIN BOOM - 860SJ HC3 350
FIGURE 4-7. CONTROL VALVE INSTALLATION - 860SJ HC3 352
FIGURE 4-8. PLATFORM VALVE ASSEMBLY - 860SJ HC3 354
FIGURE 4-9. LIMIT SWITCHES AND COVERS INSTALLATION 356
FIGURE 4-10. SENSOR ASSEMBLY - LOWER 358

SECTION 5 - PLATFORM 361

FIGURE 5-1. PLATFORM ASSEMBLY WITH DROP-BAR - 30IN X 3FT (76CM X 1M) 362
FIGURE 5-2. PLATFORM ASSEMBLY WITH DROP-BAR - 30IN X 4FT (76CM X 1.22M) 364
FIGURE 5-3. PLATFORM ASSEMBLY WITH DROP-BAR - 30IN X 5FT (76CM X 1.52M) 366
FIGURE 5-4. PLATFORM ASSEMBLY WITH DROP-BAR - 36IN X 6FT (91.5CM X 1.83M) 368
FIGURE 5-5. PLATFORM ASSEMBLY WITH DROP-BAR - 36IN X 8FT (91.5CM X 2.44M) 370
FIGURE 5-6. PLATFORM ASSEMBLY WITH GATE - 30IN X 4FT (76CM X 1.22M) 372
FIGURE 5-7. PLATFORM ASSEMBLY WITH GATE - 30IN X 5FT (76CM X 1.52M) (USA BUILT MACHINES 374
FIGURE 5-8. PLATFORM ASSEMBLY WITH GATE- 36IN X 6FT (91.5CM X 1.83M) 376
FIGURE 5-9. PLATFORM ASSEMBLY WITH GATE - 36IN X 8FT (91.5CM X 2.44M) 378
FIGURE 5-10. PLATFORM ASSEMBLY WITH 1 GATE / 2 DROP BARS (TRI-ENTRY) - 36IN X 6FT (91.5CM X 1.83M) 380
FIGURE 5-11. PLATFORM ASSEMBLY WITH 3 DROP BARS (TRI-ENTRY) - 36IN X 6FT (91.5CM X 1.83M) 382
FIGURE 5-12. PLATFORM ASSEMBLY WITH 1 GATE / 2 DROP BARS (TRI-ENTRY) - 36IN X 8FT (91.5CM X 2.44M) 384
FIGURE 5-13. PLATFORM ASSEMBLY WITH 3 DROP BARS (TRI-ENTRY) - 36IN X 8FT (91.5CM X 2.44M) 386
FIGURE 5-14. PLATFORM ASSEMBLY WITH FALL ARREST (6FT) 388
FIGURE 5-15. PLATFORM ASSEMBLY WITH FALL ARREST (8FT) 390
FIGURE 5-16. PLATFORM CONSOLE AND FOOTSWITCH INSTALLATION 392
FIGURE 5-17. PLATFORM CONSOLE ASSEMBLY 394
FIGURE 5-18. FOOTSWITCH ASSEMBLY 398
FIGURE 5-19. CONTROLLER ASSEMBLY - LIFT/SWING 400
FIGURE 5-20. CONTROLLER ASSEMBLY- DRIVE/STEER 404
FIGURE 5-21. LIGHT PANEL INSTALLATION 406
FIGURE 5-22. JIB SWITCH INSTALLATION - 860SJ 408
FIGURE 5-23. SKYEYE INSTALLATION 410
FIGURE 5-24. SKYGUARD BAR INSTALLATION 412
FIGURE 5-25. SKYLINE INSTALLATION 414
FIGURE 5-26. STORAGE TRAY INSTALLATION - CENTER 416
FIGURE 5-27. SKYCUTTER INSTALLATION 418
FIGURE 5-28. SKYWELDER/SKYCUTTER COMBO INSTALLATION (60HZ) 420
FIGURE 5-29. PLASMA CUTTER ASSEMBLY 424
FIGURE 5-30. SKYWELDER INSTALLATION (50HZ) 426
FIGURE 5-31. SKYWELDER INSTALLATION (60HZ) 428
FIGURE 5-32. WELDER ASSEMBLY 430
FIGURE 5-33. SKYWELDER PREP PACKAGE (60HZ) 432
FIGURE 5-34. PIPE RACKS INSTALLATION (ANSI AND CSA SPECS) 434
FIGURE 5-35. PIPE RACKS INSTALLATION (AUSTRALIAN SPECS) 436
FIGURE 5-36. SOFT TOUCH SYSTEM INSTALLATION - 6FT/1.83M PLATFORM 438
FIGURE 5-37. SOFT TOUCH SYSTEM INSTALLATION - 6FT/1.83M FALL ARREST PLATFORM 440
FIGURE 5-38. SOFT TOUCH SYSTEM INSTALLATION - 8FT/2.44M PLATFORM 442
FIGURE 5-39. SOFT TOUCH SYSTEM INSTALLATION - 8FT/2.44M FALL ARREST PLATFORM 444
FIGURE 5-40. SOFT TOUCH SYSTEM INSTALLATION - OVER HEAD (CHINESE/KOREAN SPECS) 446
FIGURE 5-41. FALL ARREST INSTALLATION (BOLT-ON) (4FT/1.22M PLATFORM) 448
FIGURE 5-42. FALL ARREST INSTALLATION (BOLT-ON) (6FT/1.82M PLATFORM) 450
FIGURE 5-43. FALL ARREST INSTALLATION (BOLT-ON) (8FT/2.4M PLATFORM) 452
FIGURE 5-44. FALL ARREST INSTALLATION (BOLT-ON) (6FT/1.82M TRI-ENTRY PLATFORM) 454

SECTION 6 - CYLINDER 457

FIGURE 6-1. AXLE LOCKOUT CYLINDER ASSEMBLY 458
FIGURE 6-2. LEVEL CYLINDER ASSEMBLY - PLATFORM SLAVE (860SJ HC3) 460
FIGURE 6-3. LIFT CYLINDER ASSEMBLY - JIB (860SJ HC3 ONLY) 462
FIGURE 6-4. LIFT CYLINDER ASSEMBLY - JIB 464
FIGURE 6-5. LIFT CYLINDER ASSEMBLY - JIB 466

MidWestTech | JLG 800S HC3, 860SJ HC3 Boom Lift Parts Manual | Publication 31215891 Order the manual at mid-west-tech.com >

FIGURE 2-41. SKYAIR AIR COMPRESSOR INSTALLATION (DEUTZ D2011 AND FORD DF 2.5L ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0273596	Ref	SKYAIR AIR COMPRESSOR INSTALLATION	B
1	0100019	AR	Compound, Locking	
2	0100020	AR	Sealant #567	
3	0641406	2	Bolt 1/4 x 3/4	
5	0641810	4	Bolt 1/2 x 1-1/4	
6	0861642	1	Control Box Assembly	
6A	4460633	3	Connector, Strain Relief	
6B	70002948	AR	Cable, Electrical - 12/4 (13ft/4m)	
6C	70002948	AR	Cable, Electrical - 12/4 (30in/76cm)	
7	1320224	2	Clamp	
8	2220252	1	Fitting	
9	2220750	1	Fitting	
10	3311405	2	Nut 1/4	
11	3600386	1	Compressor Assembly (See Separate Breakdown in this Section)	
12	3720021	1	Filter/Regulator Assembly	
12	7027781	1	Service Kit (Includes Gaskets and Seals)	
12	7027782	1	Filter	
12	7027784	1	Gauge	
12	7027783	1	Valve, Drain	
13	4340747	1	Bracket, Control Box	
14	4711400	4	Washer 1/4	
16	4751800	4	Washer 1/2	
18	4240033	AR	Tie-Strap (Not Shown)	
19	4460428	1	Connector, Strain Relief	
	0273687	Ref	DECAL INSTALLATION	
101	1705836	1	Decal - Hazard Voltage	
102	1705837	1	Decal - Air Compressor	
103	1705886	2	Decal - SkyAir	

MidWestTech | JLG 800S HC3, 860SJ HC3 Boom Lift Parts Manual | Publication 31215891 Order the manual at mid-west-tech.com >

FIGURE 6-2. LEVEL CYLINDER ASSEMBLY - PLATFORM SLAVE (860SJ HC3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247466	Ref	LEVEL CYLINDER ASSEMBLY	C
1	See Note	NSS	Barrel (Note: Use P/N 1001247466)	
2	70007168	1	Rod	
3	70007157	1	Head	
4	See Note	NSS	Wiper (Use Item:100)	
5	70002410	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Use Item:100)	
7	See Note	NSS	Ring, Back Up (Use Item:100)	
8	See Note	NSS	Ring, Buffer (Use Item:100)	
9	70004237	1	Ring, Wear (Use Item:100)	
10	See Note	NSS	O-Ring (Use Item:100)	
11	See Note	NSS	Ring, Back up (Use Item:100)	
12	See Note	NSS	O-Ring (Use Item:100)	
13	70007161	1	Piston	
14	See Note	NSS	Seal, Piston (Use Item:100)	
15	See Note	NSS	O-Ring (Use Item:100)	
16	70006596	1	Setscrew	
17	70022564	1	Ball	
18	70007169	1	Spacer	
19	70007159	4	Bearing	
20	2220883	6	Plug	
21	4640999	1	Valve, Counterbalance	
21	2900792	1	Seal Kit - 4640999 Valve	
22	4640932	1	Valve, Counterbalance	
22	7011112	1	Seal Kit - 4640932 Valve	
100	70007251	1	Seal Kit, Cylinder (Include items : 4,6,7,8,10,11,12,14 & 15)	

MidWestTech | JLG 800S HC3, 860SJ HC3 Boom Lift Parts Manual | Publication 31215891 Order the manual at mid-west-tech.com >

FIGURE 9-5. DECAL INSTALLATION - 860SJ HC3 (CHINESE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256584	Ref	DECAL INSTALLATION	B
	1001256837	Ref	REFERENCE CHART	A
30	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
31	1704907	2	Decal - 860SJ	
32	1701501	4	Decal - Arrow	
33	1001256571	1	Decal - Warning	
34	1001256572	1	Decal - Warning	
39	1001175354	1	Decal - Lift Diagram	
40	1701691	4	Decal - No Step	
41	4420051	23.1 ft/7m	Stripes, Warning	
44	0860520	1	Box, Manual Storage	
46	3311405	4	Nut 1/4	
47	3820001	2	Rivet	
48	4751400	8	Washer 1/4	
58	0641406	4	Bolt 1/4 x 3/4	
59	1705430	1	Decal - Drive/Steer Instructions	
63	1001224050	1	Decal - Yearly Inspection	
65	1001244301	1	Decal - No Platform to Ground Attachments	
66	1001244298	1	Decal - Wechat	
100	1001109029	1	Decal Kit - Master (Includes Items 101-109)	
101	1701499	4	Decal - No Lift	
102	1701509	1	Decal - Manual	
103	1703811	4	Decal - Tie Down/Lift	
104	1703814	6	Decal - Tie Down	
105	1704277	4	Decal - Attach Lanyard Here	
106	1704412	1	Decal - Hydraulic Oil Chart	
109	3251243	1	Nameplate - 120V-60HZ	
200	2902309	1	Decal Kit - Country Spec (Includes Items 201-210)	
201	1001116846	2	Decal - No Hands	
202	1703925	1	Decal - Warning/Danger	
203	1001116849	2	Decal - Warning Inspection (MTB)	
204	1703949	5	Decal - Warning Crushing	
205	1001116851	5	Decal - Danger Electrocution	
206	1703943	7	Decal - Warning Crushing	
210	1703982	1	Decal - Footswitch	
300	1001265971	1	Decal Kit - Max Tire Load (Includes Item 301)	
301	1703484	4	Decal - Max Tire Load	

MidWestTech | JLG 800S HC3, 860SJ HC3 Boom Lift Parts Manual | Publication 31215891 Order the manual at mid-west-tech.com >