Illustrated Parts Manual

Models

ES1932
ES1932i

PVC
1910
2004

P/N
31215920

March 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 11

FIGURE 1-1. DRIVE MOTOR AND STEER INSTALLATION 12
FIGURE 1-2. DRIVE MOTOR ASSEMBLY 14
FIGURE 1-3. REAR WHEEL HUB AND FRAME CLAMPS INSTALLATION 18
FIGURE 1-4. HUB ASSEMBLY - REAR 20
FIGURE 1-5. TIRE AND WHEEL INSTALLATION 22
FIGURE 1-6. POTHOLE PROTECTION INSTALLATION 24
FIGURE 1-7. TILT SENSOR INSTALLATION 26
FIGURE 1-8. BATTERY CHARGER INSTALLATION - DELTA-Q WITHOUT COMMUNICATION PORT (LOCALLY SUPPLIED PLUG) 28
FIGURE 1-9. BATTERY CHARGER INSTALLATION - DELTA-Q WITH COMMUNICATION PORT (LOCALLY SUPPLIED PLUG) 30
FIGURE 1-10. BATTERY CHARGER INSTALLATION - DELTA-Q WITHOUT COMMUNICATION PORT (110V PLUG) 32
FIGURE 1-11. BATTERY CHARGER INSTALLATION - DELTA-Q WITH COMMUNICATION PORT (110V PLUG) 34
FIGURE 1-12. BATTERY CHARGER INSTALLATION - DELTA-Q WITHOUT COMMUNICATION PORT (AUSTRALIAN PLUG) 36
FIGURE 1-13. BATTERY CHARGER INSTALLATION - DELTA-Q WITH COMMUNICATION PORT (AUSTRALIAN PLUG) 38
FIGURE 1-14. BATTERY CHARGER INSTALLATION - DELTA-Q WITHOUT COMMUNICATION PORT (KOREAN PLUG) 40
FIGURE 1-15. BATTERY CHARGER INSTALLATION - DELTA-Q WITH COMMUNICATION PORT (KOREAN PLUG) 42
FIGURE 1-16. BATTERY CHARGER INSTALLATION - EAGLE PERFORMANCE (110V PLUG) 44
FIGURE 1-17. BATTERY CHARGER INSTALLATION - GREEN POWER (LOCALLY SUPPLIED PLUG) 46
FIGURE 1-18. BATTERY CHARGER INSTALLATION - GREEN POWER (CHINA PLUG) 48
FIGURE 1-19. STROBE LIGHT INSTALLATION – SINGLE (AMBER) (WITH GUARD) 50
FIGURE 1-20. STROBE LIGHT INSTALLATION – DUAL (AMBER) (WITH GUARD) 52
FIGURE 1-21. ALARM INSTALLATION (AMBIENT/WHITE NOISE) (OPTIONAL) 54
FIGURE 1-22. LADDER INSTALLATION 56
FIGURE 1-23. FRAME COVERS INSTALLATION (ES1932) 58
FIGURE 1-24. FRAME COVERS INSTALLATION (ES1932I) 60

SECTION 2 - GROUND CONTROLS 63

FIGURE 2-1. PUMP/MOTOR/TANK AND HOSES INSTALLATION 64
FIGURE 2-2. PUMP/MOTOR/TANK ASSEMBLY 66
FIGURE 2-3. ELECTRICAL COMPONENTS INSTALLATION (MEXICO AND CHINA BUILT MACHINES) 68
FIGURE 2-4. ELECTRICAL COMPONENTS INSTALLATION #1 (EUROPEAN BUILT MACHINES) 70
FIGURE 2-5. ELECTRICAL COMPONENTS INSTALLATION #2 (EUROPEAN BUILT MACHINES) 72
FIGURE 2-6. ACCESS CONTROL INSTALLATION 74
FIGURE 2-7. MDI INSTALLATION 76
FIGURE 2-8. BATTERIES INSTALLATION - STANDARD BATTERIES (U.S. BRAND) 78
FIGURE 2-9. BATTERIES INSTALLATION - STANDARD BATTERIES (TROJAN BRAND) 80
FIGURE 2-10. BATTERIES INSTALLATION - AGM BATTERIES 82
FIGURE 2-11. BATTERIES INSTALLATION - AGM EVCG BATTERIES 84
FIGURE 2-12. INVERTER INSTALLATION (OPTIONAL) 86
FIGURE 2-13. DOORS INSTALLATION 88

SECTION 3 - SCISSORS ARMS 91

FIGURE 3-1. SCISSORS ARMS INSTALLATION 92
FIGURE 3-2. SCISSORS ARMS KIT 96
FIGURE 3-3. ARM GUARD INSTALLATION 98

SECTION 4 - PLATFORM 101

FIGURE 4-1. PLATFORM INSTALLATION 102
FIGURE 4-2. PLATFORM EXTENSION INSTALLATION 104
FIGURE 4-3. RAILS INSTALLATION - QUIK ACCESS (MEXICO BUILT ES1932) (ANSI SPECS ONLY) 106
FIGURE 4-4. RAILS INSTALLATION - QUIK FOLD-DOWN (CHINA & MEXICO BUILT ES1932 & ES1932I) (ANSI, ANSI EXPORT, CSA & KOREAN SPECS) 110
FIGURE 4-5. RAILS INSTALLATION - STANDARD FOLD-DOWN RAILS (CE SPECS) 112
FIGURE 4-6. HANDLE EXTENSION INSTALLATION (OPTIONAL) 114
FIGURE 4-7. PLATFORM CONSOLE INSTALLATION (ES1932) 116
FIGURE 4-8. PLATFORM CONSOLE INSTALLATION (ES1932I) 118
FIGURE 4-9. DRIVE/STEER CONTROLLER ASSEMBLY (AUSTRALIAN & CE SPECS) 120
FIGURE 4-10. OVERHEAD PROTECTION INSTALLATION (KOREAN SPECS) 122
FIGURE 4-11. PANEL CARRIER INSTALLATION (AUSTRALIAN & CE SPECS) 124

MidWestTech | JLG ES1932, ES1932i Scissor Lift Parts Manual | Publication 31215920 Order the manual at mid-west-tech.com >

TABLE OF CONTENTS

FIGURE 4-12. PIPE RACK INSTALLATION (AUSTRALIAN & CE SPECS) 126

SECTION 5 - CYLINDER 129

FIGURE 5-1. LIFT CYLINDER ASSEMBLY 130
FIGURE 5-2. STEER CYLINDER ASSEMBLY 132

SECTION 6 - ELECTRICAL 135

FIGURE 6-1. AC BOX AT PLATFORM INSTALLATION - 110V GFI (ANSI, ANSI EXPORT, CHINA AND JAPANESE SPECS) 136
FIGURE 6-2. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPECS) 138
FIGURE 6-3. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE SPECS) 140
FIGURE 6-4. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (CE SPECS) 142
FIGURE 6-5. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (CE SPECS) 144
FIGURE 6-6. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 (CE SPECS) 146
FIGURE 6-7. AC BOX AT PLATFORM INSTALLATION - 220V CHINA PLUG (CHINA SPECS) 148
FIGURE 6-8. AC BOX AT PLATFORM INSTALLATION - 220V LOCALLY SUPPLIED COMPONENTS (ALL SPECS) 150
FIGURE 6-9. BREAKER BOX KIT WITH 1 DOUBLE BREAKER 152
FIGURE 6-10. BREAKER BOX KIT WITH 3 BREAKERS 154
FIGURE 6-11. CHASSIS HARNESS 156
FIGURE 6-12. DRIVE HARNESS 160
FIGURE 6-13. GROUND TO PLATFORM CABLE INSTALLATION - WITHOUT PLATFORM COIL CABLE (ALL SPECS EXCEPT AUSTRALIAN SPECS) (CHINA & MEXICO BUILT MACHINES) 162
FIGURE 6-14. GROUND TO PLATFORM CABLE INSTALLATION - WITHOUT PLATFORM COIL CABLE (AUSTRALIAN SPECS) (CHINA BUILT MACHINES) 164
FIGURE 6-15. GROUND TO PLATFORM CABLE INSTALLATION - WITHOUT PLATFORM COIL CABLE AND WITH FOOTSWITCH (CHINA BUILT MACHINES) 166
FIGURE 6-16. GROUND TO PLATFORM CABLE INSTALLATION - WITH PLATFORM COIL CABLE (ALL SPECS EXCEPT AUSTRALIAN SPECS) (CHINA & MEXICO BUILT MACHINES) 168
FIGURE 6-17. GROUND TO PLATFORM CABLE INSTALLATION - WITH PLATFORM COIL CABLE (AUSTRALIAN SPECS) (CHINA BUILT MACHINES) 170
FIGURE 6-18. GROUND TO PLATFORM CABLE INSTALLATION - WITH PLATFORM COIL CABLE AND FOOTSWITCH (CHINA BUILT MACHINES) 172
FIGURE 6-19. GROUND TO PLATFORM CABLE INSTALLATION - SCISSORS ARM CABLE ONLY (EUROPEAN BUILT MACHINES) 174
FIGURE 6-20. GROUND TO PLATFORM CABLE INSTALLATION - PLATFORM CABLE ONLY (STRAIGHT CABLE) (EUROPEAN BUILT MACHINES) 176
FIGURE 6-21. GROUND TO PLATFORM CABLE INSTALLATION - PLATFORM CABLE ONLY (COILED CABLE) (EUROPEAN BUILT MACHINES) 178
FIGURE 6-22. LIFT DOWN HARNESS 180
FIGURE 6-23. PLATFORM BOX HARNESS 182
FIGURE 6-24. RECEPTACLE BOX KIT - 110V GFI 184
FIGURE 6-25. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE SPEC) 186
FIGURE 6-26. RECEPTACLE BOX KIT - 220V IEC BLUE (CE SPEC) 188
FIGURE 6-27. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND (CE SPEC) 190
FIGURE 6-28. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND (CE SPEC) 192
FIGURE 6-29. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE SPEC) 194

SECTION 7 - DECALS 197

FIGURE 7-1. DECAL INSTALLATION - ANSI SPECS (ENGLISH LANGUAGE) 198
FIGURE 7-2. DECAL INSTALLATION - AUSTRALIAN & JAPANESE SPECS (ENGLISH LANGUAGE) 200
FIGURE 7-3. DECAL INSTALLATION - BRAZIL SPECS (PORTUGUESE/SPANISH LANGUAGES) 202
FIGURE 7-4. DECAL INSTALLATION - CE SPECS (ENGLISH LANGUAGE) 204
FIGURE 7-5. DECAL INSTALLATION - CHINA SPECS (ENGLISH/CHINESE LANGUAGES) 206
FIGURE 7-6. DECAL INSTALLATION - CSA SPECS (ENGLISH/FRENCH LANGUAGES) 208
FIGURE 7-7. DECAL INSTALLATION - KOREAN SPECS (ENGLISH/KOREAN LANGUAGES) 210
FIGURE 7-8. DECAL INSTALLATION - LATIN AMERICAN SPECS (ENGLISH/SPANISH LANGUAGES) 212
FIGURE 7-9. DECAL INSTALLATION - OPTIONS 214

SECTION 8 - RECOMMENDED SERVICE PARTS STOCK 217

FIGURE 8-1. RECOMMENDED SERVICE PARTS STOCK 218

SECTION 9 - SPECIAL OPTIONS 219

FIGURE 9-1. SPECIAL OPTIONS 220

MidWestTech | JLG ES1932, ES1932i Scissor Lift Parts Manual | Publication 31215920 Order the manual at mid-west-tech.com >

PART NUMBER INDEX 223

MidWestTech | JLG ES1932, ES1932i Scissor Lift Parts Manual | Publication 31215920 Order the manual at mid-west-tech.com >

FIGURE 6-17. GROUND TO PLATFORM CABLE INSTALLATION - WITH PLATFORM COIL CABLE (AUSTRALIAN SPECS) (CHINA BUILT MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230933	Ref	GROUND TO PLATFORM CABLE INSTALLATION	A
1	4240017	AR	Tie-Strap (Not Shown)	
2	1001202184	1	Platform Harness	
2	4460899	1	Receptacle, Female - 6 Position (To Item 3)	
2	4460464	4	Pin, Male	
2	4460943	2	Pin, Male	
2	4460754	1	Connector - 14 Position (To Console Box)	
2	4460465	8	Socket, Female	
2	4460466	6	Plug, Terminal	
3	1001230839	1	Cable Assembly - Ground to Platform	
3	4460894	1	Plug, Male - 6 Position (To Platform Harness Item 2)	
3	4460465	4	Socket, Female	
3	4460944	2	Socket, Female	
3	4460899	1	Receptacle, Female - 6 Position (To Chassis Harness)	
3	4460464	4	Pin, Male	
3	4460943	2	Pin, Male	

MidWestTech | JLG ES1932, ES1932i Scissor Lift Parts Manual | Publication 31215920 Order the manual at mid-west-tech.com >

FIGURE 7-2. DECAL INSTALLATION - AUSTRALIAN & JAPANESE SPECS (ENGLISH LANGUAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209914	Ref	DECAL INSTALLATION	D
1	1701504	1	Decal - Hydraulic Oil	
2	1701640	1	Decal - Manual	
3	1705670	2	Decal - Fire Hazard	
4	1703819	4	Decal - Direction Arrow	
5	1703822	1	Decal - Manual Descent Instruction	
6	1704016	2	Decal - Fork Lift	
7	1704277	2	Decal - Lanyard Attach	
8	1704412	1	Decal - Hydraulic Oil	
11	1001220430	1	Decal - Safety Prop	
12	2080040	3	Fastener	
13	2080057	4	Fastener	
14	8990147	1	Holder, Manual	
16	1001132359	1	Decal - Control Box Locate	
18	1001162864	2	Decal - Lift Up/Tie Down	
19	1001219172	4	Decal - Crushing	
20	1001219171	5	Decal - Electrocution	
21	1001212290	1	Decal - Tie Down	
22	1001212291	2	Decal - Lifting Lug	
23	1001212292	1	Decal - No Lifting	
24	1001212293	1	Decal - No Forklift	
25	1001146794	1	Decal - Battery/Charger Service	

MidWestTech | JLG ES1932, ES1932i Scissor Lift Parts Manual | Publication 31215920 Order the manual at mid-west-tech.com >

FIGURE 7-8. DECAL INSTALLATION - LATIN AMERICAN SPECS (ENGLISH/SPANISH LANGUAGES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209911	Ref	DECAL INSTALLATION	C
1	1701504	1	Decal - Hydraulic Oil	
2	1701640	1	Decal - Manual	
3	1704339	2	Decal - Warning Battery Ventilation	
4	1703819	4	Decal - Direction Arrow	
5	1703822	1	Decal - Manual Descent Instruction	
6	1704016	2	Decal - Fork Lift	
7	1704277	2	Decal - Lanyard Attach	
8	1704412	1	Decal - Hydraulic Oil	
11	1001220430	1	Decal - Safety Prop	
12	2080040	3	Fastener	
13	2080057	4	Fastener	
14	8990147	1	Holder, Manual	
16	1001132359	1	Decal - Control Box Locate	
18	1001162864	2	Decal - Lift Up/Tie Down	
19	1001215754	4	Decal - Crushing Hazard	
20	1001211779	4	Decal - Electrocution	
21	1001212290	1	Decal - Tie Down	
22	1001212291	2	Decal - Lifting Lug	
23	1001212292	1	Decal - No Lifting	
24	1001212293	1	Decal - No Forklift	
25	1001146794	1	Decal - Battery/Charger Service	
26	1704691	1	Decal - Danger/Warning	
27	1001215748	4	Decal - Danger Electrocution	
34	1001224049	1	Decal - Yearly Inspection	

MidWestTech | JLG ES1932, ES1932i Scissor Lift Parts Manual | Publication 31215920 Order the manual at mid-west-tech.com >